CA2ALA 16
86S97
c.v

Synopsis of the Parasites of Domesticated Mammals of Canada

Murray J. Kennedy
and
Robert A. Newman

Alberta
AGRICULTURE
Animal Health Division

87-01007/

Copies of this publication are available from the
Queen's Printer, 11510 Kingsway Avenue, Edmonton T5G 2Y5
Orders must be accompanied by a cheque for $5.00 made out to
the Provincial Treasurer.

1986 07 1M

LEGISLATURE LIBRARY
DEC 9 1986
EDMONTON

Synopsis of the Parasites of Domesticated Mammals of Canada

Murray J. Kennedy
and
Robert A. Newman

Alberta Agriculture
Veterinary Laboratory
6909 - 116 Street,
Edmonton, Alberta
Canada
T6H 4P2

Alberta
AGRICULTURE
Animal Health Division

Abstract

This synopsis contains Parasite-Host and Host-Parasite lists of 212 species of parasites from seven domesticated animals. Four species, the goat (*Capra hircus*), ox (*Bos taurus*), pig (*Sus scrofa*), and sheep (*Ovis aries*) belong in the Artiodactyla; one species, the horse (*Equus caballus*) in the Perissodactyla; and two species, the cat (*Felis catus*) and dog (*Canis familiaris*) belong in the Carnivora. The 212 species of parasites are distributed among higher taxa as follows: Protozoa - 36; Trematoda - 12; Cestoidea - 21; Nematoda - 95; Acanthocephala - 2; Chelicerata - 15; and Uniramia - 31.

Introduction

The compiled information covers the period from 1877 to December 1985 and was extracted from numerous publications in the primary scientific literature. Journal series such as the Canadian Journal of Zoology, Canadian Journal of Research, Canadian Veterinary Journal, Journal of Protozoology, Proceeding of the Helminthological Society of Washington, and the Journal of Parasitology were searched in their entirety. Abstracting series such as Zoological Records, Helminthological Abstracts, Protozoology Abstracts, and Veterinary Bulletin were scanned for additional references. Theses and reports of federal and provincial governments and of other institutions were not searched extensively, hence, some existing records may have been omitted.

In providing references to the parasite-host-distribution data, we have included only reports based on original records, but screening all reports to ensure complete exclusion of repetitive records based on the same material was not possible. Publications that do not provide original parasite-host-distribution records but deal with some aspect of Canadian veterinary parasitology are compiled in a supplementary list of references.

The synopsis indicates that up to December, 1985, at least 212 species of parasites have been reported from seven species of domesticated animals. Parasites not identified to the species level are not included in the total number. The 212 species are divided among major taxa as follows: Protozoa -36; Trematoda - 12; Cestoidea - 21; Nematoda -95; Acanthocephala - 2, Chelicereta - 15; and Uniramia - 31.

The taxonomic arrangement adopted for each phylum or class of parasitic organism included in Canadian records, in most cases, is as follows:

Protozoa - Levine et al. (1980)
Trematoda - Brooks et al. (1985)
Cestoidea - Schmidt (1986)
Nematoda - Anderson et al. (1974-1983)
Acanthocephala - Amin (1982)
Acarina - Krantz (1978)
Diptera - Arnett et al. (1980)
Mallophaga - Emerson (1972)
Siphonaptera - Holland (1984)
Siphunculata - Strojanovich and Pratt (1965)

Host nomenclature and classification conforms to that of Novak and Paradiso (1983). The entries in the synopsis are organized in accordance with the format used by Margolis and Arthur (1979) in their **Synopsis of the parasites of fishes of Canada**.

The Parasite-Host List is organized by higher taxa of parasites in the following order: Protozoa, Platyhelminthes (Trematoda, Cestoidea), Nemathelminthes (Nematoda), Acanthocephala, Chelicerata and Uniramia. Species, genera, and family names are listed in alphabetical order within their respective next higher taxon, which in the case of a family is either a superfamily or an order, depending on the group in question and the usefulness of including the superfamily or order category.

For each parasite species listed, the following information is provided:

1) The current **scientific name**, including author(s) and date(s), followed by any recognized synonyms that may have been used in establishing the Canadian record(s). No attempt has been made to evaluate systematically the validity of published records, but attention is drawn to obvious errors. Adult and larval stages are recorded separately for the Cestoidea and Nematoda.

2) The **site** of occurrence of the parasite in its host(s) (aberrant sites usually are not included). When the site was not given, the likely site was determined from other records, and is placed in square brackets.

3) The **hosts**. Numbers in parentheses after each host name correspond with the numbers assigned to the references establishing the particular parasite-host records.

4) **Distribution (Dist.)** Species distribution is indicated by Provincial or Territory boundaries listed in alphabetical order as follows: Alta (Alberta), BC (British Columbia), Man (Manitoba), NB (New Brunswick), Nfld (Newfoundland), NS (Nova Scotia), NWT (Northwest Territories), Ont (Ontario), PEI (Prince Edward Island), Que (Quebec), Sask (Saskatchewan), and YT (Yukon Territory).

5) Authors responsible for the published **records** are listed in chronological order. To enable the reader to grasp at a glance the author(s) responsible for particular parasite-host-locality records the references are numbered and listed under "Records" and the corresponding number(s) placed after the host name. Each reference is followed by the locality or localities from which the parasite was (were) reported. When only one host is listed for a particular parasite, the references are not numbered, and when all records are from the same locality, the latter was not listed after the authors' names.

6) Under **remarks**, explanatory comments, as required, are offered on systematics, nomenclature, misidentifications, and synonyms of parasites; and on the hosts, sites within hosts, and validity of previous records.

In the Host-Parasite List, within each order, the families, genera, and species are listed alphabetically. After the name of each parasite species, its geographic distribution in the host in question is given in parentheses.

The REFERENCES are given in two parts, the first includes those directly referred to in the text, and the second, SUPPLEMENTARY REFERENCES, contains a list of publications dealing with various aspects of parasites of Canadian domestic mammals but which do not contain original parasite-host records.

To facilitate access to information in the parasite-host and host-parasite lists, the publication concludes with an INDEX to parasite and host scientific names.

PARASITE-HOST LIST

KINGDOM ANIMALIA
SUBKINGDOM PROTOZOA

PHYLUM APICOMPLEXA

CLASS SPOROZOEA

ORDER EUCOCCIDIIDA

SUBORDER ADELEINA

Klossiella equi Baumann, 1946
Site: kidney
Host: *Equus caballus*
Dist.: NB
Record: Austin and Dies 1981

SUBORDER EIMERIINA

Cryptosporidium spp.
Site: intestine
Host: *Bos taurus (1)*
Equus caballus (2)
Dist.: Ont, Sask
Record: 1. Sanford and Josephson 1982 (Ont); 2. Gajadhar et al. 1985 (Sask)

Eimeria ahsata Honess, 1942
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria alabamensis Christensen, 1941
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria arloingi (Marotel, 1905) Martin, 1909
Site: [intestine]
Hosts: *Bos taurus (2)*
Ovis aries (1,2)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria auburnensis Christensen and Porter, 1939
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria bovis (Zublin, 1908) Fiebiger, 1912
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria bukidnonensis Tubangui, 1931
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria canadensis Bruce, 1921
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria canis Wenyon, 1923
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont, Que
Records: Choquette and Gelinas 1950 (Que); Slocombe 1973a (Ont)

Eimeria crandallis Honess, 1942
Site: [intestine]
Hosts: *Equus caballus (2)*
Ovis aries (1)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria cylindrica Wilson, 1931
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria debliecki Douwes, 1921
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

Eimeria ellipsoidalis Becker and Frye, 1929
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria faurei (Moussu and Marotel, 1902) Martin, 1909
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria granulosa Christensen, 1938
Site: [intestine]
Hosts: *Equus caballus (2)*
Ovis aries (1)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria intricata Spiegl, 1925
Site: [intestine]
Hosts: *Equus caballus (2)*
Ovis aries (1)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria leuckarti (Flesch, 1883) Reichenow, 1940
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria ninakohlyakimovae Yakimoff and Rastegaieff, 1930
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, Ont
Records: Mahrt 1969 (Alta); Slocombe 1973a (Ont)

Eimeria pallida Christensen, 1938
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria parva Kotlan, Mocsy, and Vajda, 1929
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, Ont
Records: Mahrt 1969 (Alta); Slocombe 1973a (Ont)

Eimeria punctata Landers, 1955
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria wyomingensis Huizinga and Winger, 1942
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria zuernii (Rivolta, 1878) Martin, 1909
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria spp.
Site: [intestine]
Host: *Ovis aries*
Dist.: Que
Record: Swales 1940b

Isospora bigemina (Stiles, 1891) Luhe, 1906
Site: intestine
Host: *Canis familiaris*
Dist.: Que
Record: Choquette and Gelinas 1950

Isospora felis Wenyon, 1926
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Que
Records: 1. Choquette and Gelinas 1950 (Que); 2. Slocombe 1973a (Ont)

Isospora rivolta (Grassi, 1879) Wenyon, 1923
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Que
Records: 1. Choquette and Gelinas 1950 (Que); 2. Slocombe 1973a (Ont)

Isospora spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2,3,4,5)*
Felis catus (5)
Dist.: Alta, NB, NWT, Que, Sask
Records: 1. Saunders 1949 (Alta); 2. Unruh et al. 1973 (Alta, NWT, Sask); 3. Anvik et al. 1974 (Sask); 4. Seah et al. 1975 (Que); 5. Malloy and Embil 1978 (NB)
Remarks: Saunders (1949) believed his species was probably *I. bigemina.*

Sarcocystis spp.
Site: heart
Hosts: *Bos taurus (1)*
Equus caballus (1)
Ovis aries (2)
Dist.: Ont, Sask
Records: 1. Slocombe 1973a (Ont); 2. Moteane et al. 1979 (Sask)

Toxoplasma gondii Nicolle and Manceaux, 1908
Site: unspecified
Hosts: *Canis familiaris*
Felis catus
Dist.: Ont
Record: Hulland 1956

Toxoplasma spp.
Site: brain, spinal cord
Hosts: *Canis familiaris (1)*
Equus caballus (1,2)
Felis catus (1)
Ovis aries (1)
Sus scrofa (1)
Dist.: Ont, Sask
Records: 1. Slocombe 1973a (Ont); 2. Clark et al. 1981 (Sask)

Unidentified Eucoccidiida
Site: [intestine]
Hosts: *Bos taurus (2)*
Ovis aries (1,3)
Dist.: Ont, Que, Sask
Records: 1. Griffiths 1937 (Que); 2. Slocombe 1973a (Ont); 3. Monteane et al. 1979 (Sask)

PHYLUM CILIOPHORA

CLASS KINETOFRAGMINOPHOREA

ORDER TRICHOSTOMATIDA

Balantidium spp.
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

PHYLUM SARCOMASTIGOPHORA

SUBPHYLUM MASTIGOPHORA

CLASS ZOOMASTIGOPHOREA

ORDER DIPLOMONADIDA

FAMILY HEXAMITIDAE

Giardia canis Hegner, 1922
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que
Records: Choquette and Gelinas 1950

Giardia spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont
Records: Slocombe 1973a

ORDER KINETOPLASTIDA

Trypanosoma equiperdum Doflein, 1901
Site: blood
Host: *Equus caballus*
Dist.: Alta
Record: Watson and Hadwen 1912

Trypanosoma rutherfordi Watson and Hadwen, 1912
Site: blood
Host: *Bos taurus*
Dist.: BC
Record: Watson and Hadwen 1912

Trypanosoma theileri Laveran, 1902
Site: blood
Host: *Bos taurus*
Dist.: Ont
Record: Woo et al. 1970

Trypanosoma uniforme Bruce et al., 1911
Site: blood
Host: *Bos taurus*
Dist.: Ont
Record: Woo et al. 1970
Remarks: Woo et al. (1970) stated only that the *Trypanosome* resembled *T. uniforme*.

Trypanosoma spp.
Site: blood
Host: *Bos taurus*
Dist.: BC
Record: Watson and Hadwen 1912

ORDER TRICHOMONADIDA

Trichomonas spp.
Site: intestine
Hosts: *Bos taurus (2)*
Canis familiaris (1)
Equus caballus (2)
Sus scrofa (2)
Dist.: Ont
Records: 1. Comfort and Axelson 1962; 2. Slocombe 1973a

SUBPHYLUM SARCODINA

CLASS LOBOSEA

ORDER AMOEBIDA

Endolimax nana (Wenyon and O'Conner, 1917) Brug, 1918
Site: [intestine]
Host: *Canis familiaris*
Dist.: Sask
Record: Unruh et al. 1973

Entamoeba blattae
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que
Record: Choquette and Gelinas 1950
Remarks: Choquette and Gelinas (1950) considered *C. familiaris* an unnatural host for *E. blattae*. This protozoan is normally a parasite of cockroaches and termites.

Entamoeba coli (Grassi, 1879) Casagrandi and Barbagallo, 1895
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que, Sask
Records: Unruh et al. 1973 (Sask); Seah et al. 1975 (Que)

Entamoeba histolytica Schaudinn, 1903
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que, Sask
Records: Unruh et al. 1973 (Sask); Wittnich 1976 (Que)

SUBKINGDOM EUMETAZOA

PHYLUM PLATYHELMINTHES

CLASS TREMATODA

SUBCLASS DIGENEA

FAMILY DICROCOELIIDAE

Dicrocoelium dendriticum (Rudolphi, 1819) Looss, 1899
Syn.: *Dicrocoelium lanceolatum* Stiles and Hassal, 1898
Site: bile ducts
Hosts: *Bos taurus (5,6)*
Ovis aries (1 Que,2,3,4)
Dist.: BC, Nfld, NS, PEI, Que
Records: 1. Conklin and Baker 1930 (NS, PEI, Que); 2. Swales 1933a (Que), 3. 1940a (NS); 4. Smith and Archibald 1965 (NS); 5. Smith and Threlfall 1973 (Nfld); 6. Lewis 1974 (BC)

FAMILY DIPLOSTOMIDAE

Alaria arisaemoides Augustine and Uribe, 1927
Site: intestine
Host: *Canis familiaris*
Dist.: Sask
Record: Allen and Mills 1971

Alaria canis LaRue and Fallis, 1934
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont
Record: LaRue and Fallis 1934

Alaria spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, NWT, Ont, Que, Sask
Records: 1. Cameron et al. 1940 (NWT, Ont, Que, Sask); 2. Allen and Mills 1971 (Sask); 3. Unruh et al. 1973 (Alta, NWT, Sask); 4. Anvik et al. 1974 (Sask)

FAMILY FASCIOLIDAE

Fasciola hepatica Linnaeus, 1758
Site: [liver]
Host: *Ovis aries*
Dist.: Canada
Record: Swales 1940a

Fascioloides magna (Bassi, 1875) Ward, 1917
Site: liver
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Swales 1933b (Alta); Slocombe 1973a (Ont)

FAMILY HETEROPHYIDAE

Cryptocotyle lingua (Creplin, 1825) Luhe, 1899
Site: [intestine]
Host: *Canis familiaris*
Dist.: Nfld, Que
Record: Cameron et al. 1940

FAMILY OPISTHORCHIIDAE

Metorchis conjunctus (Cobbold, 1860) Looss, 1899
Site: bile ducts, pancreatic duct
Hosts: *Canis familiaris (1,2,4,5,6,7)*
Felis catus (3,7)
Dist.: Alta, Man, NWT, Ont, Que, Sask
Records: 1. Cameron et al. 1940 (Man, Ont, Que, Sask); 2. Mongeau 1961 (Man); 3. Axelson 1962 (Ont); 4. McLeod 1967 (Man); 5. Unruh et al. 1973 (Alta, NWT, Sask); 6. Anvik et al. 1974 (Sask); 7. Watson 1981 exp. (Que)

Metorchis spp.
Site: [bile ducts]
Host: *Canis familiaris*
Dist.: Sask
Record: Allen and Mills 1971

Parametorchis complexus (Stiles and Hassall, 1894) Skrjabin, 1913
Syn.: *Parametorchis manitobensis* (Allen and Wardle, 1934) Kennedy, 1983
Site: bile ducts, gallbladder
Hosts: *Canis familiaris (1)*
Felis catus (2)
Dist.: Alta, Man
Records: 1. Allen and Wardle 1934 (Man); 2. Kennedy 1983 (Alta)

FAMILY PARAMPHISTOMIDAE

Calicophoron microbothrioides (Price and McIntosh, 1944) Eduardo, 1983
Syn.: *Paramphistomum microbothrioides* Price and McIntosh, 1944
Site: rumen
Host: *Bos taurus*
Dist.: Que
Record: Bouvry and Rau 1984

Paramphistomum liorchis Fischoeder, 1901
Site: rumen
Host: *Bos taurus*
Dist.: Que
Record: Bouvry and Rau 1984

Paramphistomum spp.
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Record: Swales 1933b

FAMILY PLAGIORCHIIDAE

Plagiorchis massino Petrov and Tikhonov, 1927
Site: [intestine]
Host: *Felis catus*
Dist.: Nfld
Record: Smith and Threlfall 1973

FAMILY TROGLOTREMATIDAE

Paragonimus kellicotti Ward, 1908
Site: lungs
Host: *Canis familiaris*
Dist.: Ont
Records: Nielsen 1955; Comfort and Axelson 1962; Gillick 1972
Remarks: Nielsen (1955) presumed his specimen was *P. kellicotti*.

Paragonimus spp.
Site: lungs
Hosts: *Canis familiaris*
Sus scrofa
Dist.: Ont
Record: Slocombe 1973a

Unidentified Digenea gen. spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Man, NWT, Que
Records: Cameron et al. 1940 (Man, NWT, Que); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que)

CLASS CESTOIDEA

SUBCLASS EUCESTODA

ORDER CYCLOPHYLLIDEA

FAMILY ANOPLOCEPHALIDAE

Anoplocephala magna (Abildgaard, 1789) Spengel, 1905
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont, Que
Records: Swales 1933b (Que); Slocombe 1973a (Ont)

Anoplocephala perfoliata (Goeze, 1782) Blanchard, 1848
Site: [intestine]
Host: *Equus caballus*
Dist.: Nfld, Ont
Records: Swales 1933b (Ont); Slocombe 1973a (Ont); Smith and Threlfall 1973 (Nfld)

Anoplocephala spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Records: Swales 1933a; Slocombe 1973a

Moniezia benedeni (Moniez, 1879) Blanchard, 1891
Site: intestine
Host: *Bos taurus*
Dist.: NB, Que
Records: Swales 1933b (Que); Smith 1970 (NB)

Moniezia expansa (Rudolphi, 1810) Blanchard, 1891
Site: intestine
Hosts: *Bos taurus (2 Que)*
Ovis aries (1,2,3,4,5,6,7,8,9,10,11)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933a (unspecified), 2. 1933b (Ont, Que); 3. Griffiths 1937 (Que); 4. Fallis 1938 (Ont); 5. Swales 1939 (Que), 6. 1940a (Canada), 7. 1940b (Que); 8. Swales and Choquette 1940 (Que); 9. Swales et al. 1942 (Ont); 10. Smith and Archibald 1965 (NS); 11. Smith and Threlfall 1973 (Nfld)

Moniezia spp.
Site: [intestine]
Hosts: *Bos taurus (1,2,3)*
Ovis aries (4,5)
Dist.: Nfld, Ont, Que, Sask
Records: 1. McGregor and Kingscote 1957 (Ont); 2. Frechette and Gibbs 1971 (Que); 3. Slocombe 1973a (Ont); 4. Smith and Threlfall 1973 (Nfld); 5. Moteane et al. 1979 (Sask)

Paranoplocephala mamillana (Mehlis, 1831) Baer, 1927
Syn.: *Anoplocephala mamillana* (Mehlis, 1831) Blanchard, 1891
Site: [intestine]
Host: *Equus caballus*
Dist.: BC, Que, Sask
Record: Swales 1933b

Thysanosoma actinioides Diesing, 1835
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, BC, Canada, Sask
Records: Swales 1933a (BC), 1933b (Alta, Sask), 1940a (Canada)

Thysanosoma spp.
Site: bile duct
Host: *Ovis aries*
Dist.: Ont, Sask
Records: Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

FAMILY DILEPIDIDAE

Dipylidium caninum (Linnaeus, 1758) Railliet, 1892
Site: [intestine]
Hosts: *Canis familiaris (1 Ont,2,3,5,6,7)*
Felis catus (1 Ont, 4)
Dist.: NB, Nfld, NWT, Ont, Que
Records: 1. Swales 1933b (Ont, Que); 2. Cameron et al. 1940 (NWT, Ont); 3. Freeman 1962 (Ont); 4. Threlfall 1969 (Nfld); 5. Smith and Threlfall 1973 (Nfld); 6. Unruh et al. 1973 (NWT); 7. Malloy and Embil 1978 (NB)

Dipylidium spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Sask
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

FAMILY TAENIIDAE

Cysticercus bovis
Site: unspecified
Host: *Bos taurus*
Dist.: Ont, Sask
Records: Swales 1933b (Ont, Sask); Slocombe 1973a (Ont)

Cysticercus cellulosae
Site: liver
Host: *Sus scrofa*
Dist.: Man, Ont, Sask
Records: Osler and Clement 1883 (Ont); Swales 1933b (Man, Sask)

Cysticercus ovis Cobbold, 1869
Site: unspecified
Hosts: *Ovis aries*
Dist.: Canada, Man, NS
Records: Swales 1933b (Man), 1940a (Canada); Soehl 1984 (NS)

Cysticercus tenuicollis Pallas, 1766
Site: unspecified
Hosts: *Bos taurus (1 Ont, Que)*
Ovis aries (1,2,3)
Dist.: Alta, Canada, Ont, Que
Records: 1. Swales 1933b (Alta, Ont, Que), 2. 1940a (Canada); 3. Slocombe 1973a (Ont)

Echinococcus granulosus (Batsch, 1786) Rudolphi, 1801
Site: intestine
Host: *Canis familiaris*
Dist.: Ont, Que
Records: Choquette 1956 exp. (Que); Slocombe 1973a (Ont)

Echinococcus granulosus (Batsch, 1786) Rudolphi, 1801 (hydatid cyst)
Site: liver
Host: *Sus scrofa*
Dist.: Ont
Record: Pallister and Plummer 1941 (Ont)

Echinococcus multilocularis Leuckart, 1863
Site: [intestine]
Host: *Felis catus*
Dist.: Sask
Record: Wobeser 1971

Echinococcus spp. (hydatid)
Site: liver
Host: *Sus scrofa*
Dist.: Ont
Record: Osler and Clement 1883

Multiceps spp.
Site: unspecified
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

Taenia crassiceps (Zeder, 1800) Rudolphi, 1810
Site: [intestine]
Hosts: *Canis familiaris (2)*
Canis familiaris x *Canis latrans (1)*
Dist.: Ont
Records: 1. Freeman et al. 1961; 2. Freeman 1962 exp.

Taenia elliptica
Site: intestine
Host: *Canis familiaris*
Dist.: Que
Record: Osler 1877

Taenia hydatigena Pallas, 1766
Site: [intestine]
Host: *Canis familiaris*
Dist.: Nfld, Que
Records: Swales 1933b (Que); Sweatman and Plummer 1957 exp. (Que); Threlfall 1969 (Nfld)

Taenia hydatigena Pallas, 1766 (cysticercus)
Site: mesenteries, peritoneum
Hosts: *Ovis aries (1,2)*
Sus scrofa (1)
Dist.: Que, Sask
Records: 1. Sweatman and Plummer 1957 exp. (Que); 2. Moteane et al. 1979 (Sask)

Taenia pisiformis (Bloch, 1780) Gmelin, 1790
Site: [intestine]
Hosts: *Canis familiaris (1,3,4,5)*
C. familiaris x *C. latrans (2)*
Dist.: Alta, Nfld, NWT. Ont, Que
Records: 1. Swales 1933b (Que); 2. Freeman et al. 1961 (Ont); 3. Threlfall 1969 (Nfld); 4. Smith and Threlfall 1973 (Nfld); 5. Unruh et al. 1973 (Alta, NWT)

Taenia serialis (Gervais, 1847) Baillet, 1863
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, NWT
Record: Unruh et al. 1973

Taenia taeniaeformis (Batsch, 1786) Wolffgel, 1863
Site: [intestine]
Host: *Felis catus*
Dist.: Nfld, Que
Records: Swales 1933b (Que); Smith and Threlfall 1973 (Nfld)

Taenia spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2,3)*
Felis catus (2)
Dist.: BC, Man, NWT, Ont, Que, Sask
Records: 1. Cameron 1940 (BC, Man, NWT, Ont, Que); 2. Slocombe 1973a (Ont); 3. Anvik et al. 1974 (Sask)

Taenia/ Echinococcus spp. (egg)
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, NWT, Sask
Records: Allen and Mills 1971 (Sask); Unruh et al. 1973 (Alta, NWT, Sask)

ORDER PSEUDOPHYLLIDEA

FAMILY DIPHYLLOBOTHRIIDAE

Diphyllobothrium dendriticum Nitsch, 1824
Site: [intestine]
Host: *Felis catus*
Dist.: Nfld
Records: Threlfall 1969; Smith and Threlfall 1973

Diphyllobothrium latum Luhe, 1910
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, Nfld, NWT, Que, Sask
Records: Saunders 1949 (Alta); Threlfall 1969 (Nfld); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (NWT); Anvik et al. 1974 (Sask); Seah et al. 1975 (Que)

Diphyllobothrium spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2,3,4,6)*
Felis catus (5)
Dist.: Alta, Man, Nfld, NWT, Ont, Que, Sask
Records: 1. Wardle and McColl 1937 (Ont); 2. Cameron et al. 1940 (Alta, Man, Nfld, NWT, Ont, Que, Sask); 3. Threlfall 1969 (Nfld); 4. Allen and Mills 1971 (Sask); 5. Slocombe 1973a (Ont); 6. Unruh et al. 1973 (Alta, NWT, Sask)

Unidentified Cestoidea gen. spp.
Site: Intestine
Host: *Canis familiaris*
Dist.: Man, Que
Records: Mongeau 1961 (Man); Seah et al. 1975 (Que)

PHYLUM NEMATHELMINTHES

CLASS NEMATODA

SUBCLASS ADENOPHOREA

ORDER ENOPLIDA

SUPERFAMILY DIOCTOPHYMATOIDEA

FAMILY DIOCTOPHYMATIDAE

Dioctophyma renale (Goeze, 1782) Collet-Meygret, 1802
Site: kidney
Host: *Canis familiaris*
Dist.: Man, NWT, Ont, Que
Records: Swales 1933b (Ont, Que); Cameron et al. 1940 (Man); McLeod 1967 (Man); Unruh et al. 1973 (NWT)

SUPERFAMILY TRICHINELLOIDEA

FAMILY TRICHINELLIDAE

Trichinella spiralis (Owen, 1835) Railliet, 1894 (cyst/larva)
Site: diaphragm
Host: *Sus scrofa*
Dist.: BC, Man, NB, NS, Ont, PEI, Que
Records: Osler and Clement 1883 (Ont); Cameron 1938 (Man, Ont, PEI, Que), 1939 (Man, Ont, PEI, Que), 1940a (Que); Moynihan and Musfeldt 1949 (BC); Frank 1952 (NB, NS, PEI); Tailyour and Steele 1960 (BC)

FAMILY TRICHURIDAE

Capillaria aerophila Creplin, 1839
Site: [lungs]
Host: *Canis familiaris*
Dist.: Que
Record: Seah et al. 1975

Capillaria hepatica Bancroft, 1896
Site: liver
Hosts: *Felis catus (1)*
Equus caballus (2)
Dist.: Alta, NB
Records: 1. Malloy and Embil 1978 (NB); 2. Nation and Dies 1978 (Alta)

Capillaria longipes Ransom, 1911
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, Que
Records: Swales 1939 (Que), 1940a (Canada)

Capillaria spp.
Site: unspecified
Hosts: *Bos taurus (3,5)*
Canis familiaris (6)
Felis catus (6)
Ovis aries (1,2,4)
Dist.: NS, Ont, Que
Records: 1. Griffiths 1937 (Que); 2. Fallis 1938 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Smith and Archibald 1965 (NS); 5. Frechette and Gibbs 1971 (Que); 6. Slocombe 1973a (Ont)

Trichuris ovis (Abildgaard, 1795) Smith, 1908
Site: [intestine]
Hosts: *Bos taurus (1 Que,7)*
Ovis aries (1,2,3,4,5,6,7,8)
Dist.: Canada, NB, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (NS, Ont, Que); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada), 4. 1940b (Que); 5. Swales and Choquette 1940 (Que); 6. Smith and Archibald 1965 (NS), 7. 1968 nat./exp. (NB); 8. Smith and Threlfall 1973 (Nfld)

Trichuris suis (Shrank, 1788)
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont, Que
Records: Swales 1933b (Ont, Que); Martin et al. 1974 (Que)

Trichuris vulpis (Frohlich, 1789)
Site: [intestine]
Host: *Canis familiaris*
Dist.: Nfld, Ont, Que
Records: Osler 1877 (Que); Swales 1933b (Ont, Que); Cameron et al. 1940 (Ont); Choquette and Gelinas 1950 (Que); Smith and Threlfall 1973 (Nfld); Seah et al. 1975 (Que)

Trichuris spp.
Site: [intestine]
Hosts: *Bos taurus (3,4,5)*
Canis familiaris (2,4)
Ovis aries (1,4)
Sus scrofa (2)
Dist.: Alta, NWT, Ont, Sask
Records: 1. Swales et al. 1942 (Ont); 2. Slocombe 1973a (Ont), 3. 1973b (Ont); 4. Unruh et al. 1973 (Alta, NWT, Sask); 5. Moteane et al. 1979 (Sask)

Trichuris spp. (egg)
Site: [intestine]
Hosts: *Bos taurus (1,2)*
Canis familiaris (3,4,5)
Dist.: NB, Ont, Que, Sask
Records: 1. McGregor and Kingscote 1957 (Ont); 2. Smith 1970 (NB); 3. Allen and Mills 1971 (Sask); 4. Ghadirian et al. 1976 (Que); 5. Malloy and Embil 1978 (NB)

Unidentified Trichuridae
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Campbell et al. 1960

SUBCLASS SECERNENTEA

ORDER ASCARIDIDA

SUPERFAMILY ASCARIDOIDEA

FAMILY ASCARIDIDAE

Ascaris lumbricoides Linnaeus, 1758 (larva)
Site: lungs
Hosts: *Bos taurus (3)*
Sus scrofa (1,2)
Dist.: All Provinces, Ont
Records: 1. Swales 1933a (Ont), 2. 1933b (All Provinces); 3. Allen 1962 (Ont)

Ascaris suum Goeze, 1782
Site: [intestine]
Hosts: *Ovis aries (4)*
Sus scrofa (1,2,3)
Dist.: Nfld, Que, Sask
Records: 1. Smith and Threlfall 1973 (Nfld); 2. Martin et al. 1974 (Que); 3. Polley and Mostert 1980 (Sask); 4. Sauvageau and Frechette 1980 (Que)

Ascaris spp.
Site: [intestine]
Hosts: *Canis familiaris (4)*
Ovis aries (1,2)
Sus scrofa (3)
Dist.: Canada, Ont, Que
Records: 1. Fallis 1938 (Ont); 2. Swales 1940a (Canada); 3. Slocombe 1973a (Ont); 4. Seah et al. 1975 (Que)

Parascaris equorum (Goeze, 1782) York and Maplestone, 1926
Site: [intestine]
Host: *Equus caballus*
Dist.: NB, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB)

Parascaris spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Records: Slocombe 1973a; Slocombe and McCraw 1973

Toxascaris leonina (Linstow, 1902) Leiper, 1907
Syn.: *Toxascaris limbata* Railliet and Henry, 1911
Site: intestine
Hosts: *Canis familiaris (1,2,3,4,5,6,7,8,9,10)*
Felis catus (5,6,10)
Dist.: Alta, Man, NB, Nfld, NWT, Ont, Que, Sask
Records: 1. Osler 1877 (Que); 2. Swales 1933b (Que); 3. Cameron et al. 1940 (Alta, Man, NB, Nfld, Ont, Que, Sask); 4. Choquette and Gelinas 1950 (Que); 5. Threlfall 1969 (Nfld); 6. Smith and Threlfall 1973 (Nfld); 7. Unruh et al. 1973 (Alta, NWT, Sask); 8. Anvik et al. 1974 (Sask); 9. Ghadirian et al. 1976 (Que); 10. Malloy and Embil 1978 (NB)

Toxascaris spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Sask
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

Toxocara canis (Werner, 1782) Stiles, 1905
Site: intestine
Host: *Canis familiaris*
Dist.: Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask
Records: Cameron et al. 1940 (Alta, Man, Nfld, NWT, Ont, Que, Sask); Choquette and Gelinas 1950 (Que); Webster 1958 (Que); Threlfall 1969 (Nfld); Malloy and Embil 1973 (NS); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (Alta, NWT, Sask); Anvik et al. 1974 (Sask); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que); Malloy and Embil 1978 (NB)

Toxocara cati (Schrank, 1788) Brumpt, 1927
Syn.: *Belascaris mystax* Zeder, 1800
Syn.: *Toxocara mystax* (Zeder, 1800)
Site: [intestine]
Host: *Felis catus*
Dist.: NB, Nfld, NS, Que
Records: Swales 1933b (Que); Threlfall 1969 (Nfld); Malloy and Embil 1973 (NS); Smith and Threlfall 1973 (Nfld); Malloy and Embil 1978 (NB)

Toxocara spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Sask
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

SUPERFAMILY COSMOCERCOIDEA

FAMILY ATRACTIDAE

Probstmayria vivipara (Probstmayr, 1865) Ransom 1907
Site: caecum, colon
Host: *Equus caballus*
Dist.: NB, Que
Records: Swales 1933a (unspecified), 1933b (Que); Smith 1976a (NB), 1976b exp. (NB), 1979b (NB)

ORDER OXYURIDA

SUPERFAMILY OXYUROIDEA

FAMILY OXYURIDAE

Oxyuris equi (Schrank, 1788) Rudolphi, 1803
Site: [intestine]
Host: *Equus caballus*
Dist.: NB, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Threlfall 1969 (Nfld); Smith 1976a (NB)

Oxyuris spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Records: Slocombe 1973a; Slocombe and McCraw 1973

Skrjabinema spp.
Site: [intestine]
Host: *Ovis aries*
Dist.: Sask
Record: Moteane et al. 1979

ORDER RHABDITIDA

SUPERFAMILY RHABDITOIDEA

FAMILY RHABDITIDAE

Pelodera strongyloides (Schneider, 1860) Schneider, 1866
Syn.: *Rhabditis strongyloides* (Schneider, 1860) Oerley, 1880
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Lord and McGregor 1960

FAMILY STRONGYLOIDIDAE

Strongyloides papillosus (Wedl, 1856) Ransom, 1911
Site: intestine
Hosts: *Bos taurus (7)*
Ovis aries (1,2,3,4,5,6)
Dist.: Canada, NS, Ont, Que
Records: 1. Griffiths 1937 (Que); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada), 4. 1940b (Que); 5. Basir 1950 exp. (Que); 6. Smith and Archibald 1965 (NS); 7. Frechette and Gibbs 1971 (Que)

Strongyloides stercoralis (Bavay, 1876) Stiles and Hassall, 1902
Site: unspecified
Host: *Canis familiaris*
Dist.: Que
Records: Choquette and Gelinas 1950; Seah et al. 1975

Strongyloides spp.
Site: unspecified
Hosts: *Bos taurus (3,4)*
Canis familiaris (5)
Equus caballus (5,6)
Felis catus (5)
Ovis aries (1,2,7)
Sus scrofa (5)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Slocombe 1973a (Ont), 5. 1973b (Ont); 6. Slocombe and McCraw 1973 (Ont); 7. Moteane et al. 1979 (Sask)

Unidentified Rhabditoidea
Site: unspecified
Hosts: *Bos taurus (1)*
Canis familiaris (2)
Felis catus (2)
Dist.: Ont
Records: 1. McGregor and Kingscote 1957; 2. Slocombe 1973a

ORDER SPIRURIDA

SUPERFAMILY DRACUNCULOIDEA

FAMILY DRACUNCULIDAE

Dracunculus insignis (Leidy, 1858) Chandler, 1942
Site: unspecified
Host: *Canis familiaris*
Dist.: Que
Record: Deroth and Frechette 1975

SUPERFAMILY FILARIOIDEA

FAMILY FILARIIDAE

Parafilaria bovicola Tubangui, 1934
Site: subcutaneous tissue
Host: *Bos taurus*
Dist.: Alta, Que
Records: Niilo 1968 (Alta); Webster and Wilkins 1970 (Que)
Remarks: Both records were from imported cattle. Niilo's (1968) record was a presumptive identification.

Stephanofilaria stilesi Chitwood, 1934
Site: subcutaneous
Host: *Bos taurus*
Dist.: Alta
Record: Maddy 1955; Dies and Pritchard 1985
Remarks: The infection was diagnosed in the United States in cattle imported from Alberta (Maddy 1955).

FAMILY ONCHOCERCIDAE

Dipetalonema spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a (Ont)

Dirofilaria immitis (Leidy, 1856) Railliet and Henry, 1911
Site: pulmonary artery, right ventricle
Hosts: *Canis familiaris (1,3,4)*
Felis catus (2)
Dist.: Alta, Ont
Records: 1. Fletch 1969 (Ont); 2. Bernard 1970 (Ont), 3. 1971 (Ont); 4. Frimeth and Arai 1983 exp. (Alta)
Remarks: The dog in Bernard's (1971) report was originally diagnosed in the United States.

Dirofilaria spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Onchocerca cervicalis Railliet and Henry, 1910
Site: unspecified
Host: *Equus caballus*
Dist.: BC, Que
Records: Marcoux et al. 1977 (Que); Lees et al. 1983 (BC)

Onchocerca gutturosa Neumann, 1910
Site: ligamentum nuchae
Host: *Bos taurus*
Dist.: Ont, Que
Record: Webster and Dukes 1979

Onchocerca lienalis Stiles, 1892
Site: ligamentum gastrolienale
Host: *Bos taurus*
Dist.: Ont, Que
Record: Webster and Dukes 1979

Onchocerca spp.
Site: subcutaneous nodules in area of knee joint
Host: *Bos taurus*
Dist.: Man, Sask
Record: Webster et al. 1977

Setaria equina (Abildgaard, 1789) Railliet and Henry, 1911
Site: unspecified
Host: *Equus caballus*
Dist.: Ont, Que
Record: Swales 1933b

Setaria labiatopapillosa (Perroncito, 1882) Railliet and Henry, 1911
Site: unspecified
Host: *Bos taurus*
Dist.: Alta, Man, Ont, Que
Record: Swales 1933b

Setaria spp.
Site: peritoneum
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY HABRONEMATOIDEA

FAMILY HABRONEMATIDAE

Habronema majus (Creplin, 1849) Railliet, 1923
Syn.: *Habronema microstoma* (Schnider, 1866)
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Swales 1933b

Habronema muscae (Carter, 1861) Diesing, 1861
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Swales 1933b

Habronema spp.
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY PHYSALOPTEROIDEA

FAMILY PHYSALOPTERIDAE

Physaloptera rara Hall and Wigdor, 1918
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que
Record: Seah et al. 1975

SUPERFAMILY SPIRUROIDEA

FAMILY GONGYLONEMATIDAE

Gongylonema pulchrum Molin, 1857
Site: unspecified
Host: *Ovis aries*
Dist.: Canada, Ont
Records: Swales 1933b (Ont), 1940a (Canada)

FAMILY SPIROCERCIDAE

Ascarops spp.
Site: stomach
Host: *Sus scrofa*
Dist.: Ont
Record: Stockdale and Lautenslager 1973

Physocephalus spp.
Site: stomach
Host: *Sus scrofa*
Dist.: Ont
Record: Stockdale and Lautenslager 1973

Spirocerca spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY THELAZIOIDEA

FAMILY THELAZIIDAE

Thelazia gulosa Railliet and Henry, 1910
Site: unspecified
Host: *Bos taurus*
Dist.: Ont
Record: Moolenbeek and Surgeoner 1980

Thelazia lacrymalis (Gurlt, 1831) Railliet and Henry, 1910
Site: conjunctiva, nasolacrimal ducts, orbit of eye
Hosts: *Bos taurus (2)*
Equus caballus (1)
Dist.: Ont
Records: 1. Barker 1970; 2. Moolenbeek and Surgeoner 1980

Thelazia spp.
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

ORDER STRONGYLIDA

SUPERFAMILY ANCYLOSTOMATOIDEA

FAMILY ANCYLOSTOMATIDAE

Ancylostomum caninum Ercolani, 1854
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, Ont, Que
Records: Osler 1877 (Que); Swales 1933b (Ont); Cameron et al. 1940 (Ont, Que); Saunders 1949 (Alta)

Ancylostomum spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (1)
Dist.: Ont, Sask
Records: 1. Slocombe 1973a (Ont); 2. Anvik et al. 1974 (Sask)

Bunostomum phlebotomum (Railliet, 1900) Lane, 1917
Syn.: *Monodontus phlebotomus* Railliet, 1900
Site: unspecified
Host: *Bos taurus*
Dist.: Que
Record: Swales 1933b

Bunostomum trigonocephalum (Rudolphi, 1808) Railliet, 1902
Syn.: *Monodontus trigonocephalus* Rudolphi, 1808
Site: unspecified
Hosts: *Bos taurus (1)*
Ovis aries (1,2,3,4,5,6,7,8)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (Ont, Que), 2. Griffiths 1937 (Que); 3. Swales 1940a (Canada); 4. Fallis 1938 (Ont); 5. Swales and Choquette 1940 (Que); 6. Swales et al. 1942 (Ont); 7. Smith and Archibald 1965 (NS); 8. Smith and Threlfall 1973 (Nfld)

Bunostomum spp.
Syn.: *Monodontus* spp.
Site: unspecified
Hosts: *Bos taurus (2,3)*
Ovis aries (1,4)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Frechette and Gibbs 1971 (Que); 3. Slocombe 1973b (Ont); 4. Moteane et al. 1979 (Sask)

Uncinaria stenocephala (Railliet, 1884) Railliet, 1885
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, BC, Man, Nfld, NWT, Ont, Que
Records: Cameron et al. 1940 (Alta, BC, Man, Nfld, NWT, Ont, Que); Threlfall 1969 (Nfld); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (Alta, NWT)

Uncinaria spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont, Sask
Records: Slocombe 1973a (Ont); Anvik et al. 1974 (Sask)

Unidentified Ancylostomatidae
Site: unspecified
Host: *Canis familiaris*
Dist.: Alta, NB, NWT, Que, Sask
Records: Allen and Mills 1971 (Sask); Unruh et al. 1973 (Alta, NWT); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que); Malloy and Embil 1978 (NB)

SUPERFAMILY METASTRONGYLOIDEA

FAMILY ANGIOSTRONGYLIDAE

Aelurostrongylus spp.
Site: unspecified
Host: *Felis catus*
Dist.: Ont
Record: Slocombe 1973a

FAMILY CRENOSOMATIDAE

Crenosoma vulpis (Dujardin, 1844) Railliet, 1915
Site: [lungs]
Host: *Canis familiaris*
Dist.: Nfld
Record: Smith and Threlfall 1973

FAMILY FILAROIDIDAE

Filaroides milksi Whitlock, 1956
Site: terminal and respiratory bronchioles
Host: *Canis familiaris*
Dist.: BC
Record: Greenway and Stockdale 1970
Remarks: This was a tentative identification (Greenway and Stockdale 1970)

Filaroides spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Oslerus osleri (Cobbold, 1879) Anderson, Chabaud, and Willmott, 1978
Site: bronchi
Host: *Canis familiaris*
Dist.: Que
Record: Osler 1877

FAMILY METASTRONGYLIDAE

Metastrongylus pudendotectus Vostokov, 1905
Site: unspecified
Host: *Sus scrofa*
Dist.: Ont
Record: Swales 1933b

Metastrongylus salmi Gedoelst, 1923
Syn.: *Metastrongylus elongatus* Salm, 1918
Site: unspecified
Host: *Sus scrofa*
Dist.: NS, Ont, PEI, Que
Record: Swales 1933b

Metastrongylus spp.
Site: unspecified
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

FAMILY PROTOSTRONGYLIDAE

Muellerius capillaris (Mueller, 1889) Cameron, 1927
Site: lungs
Host: *Ovis aries*
Dist.: Canada, Ont
Records: Fallis 1938 (Ont); Swales 1940a (Canada)

Muellerius spp.
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Slocombe 1973a

Parelaphostrongylus tenuis (Dougherty, 1945) Pryadko and Boev, 1971
Syn.: *Pneumostrongylus tenuis* Dougherty, 1945
Site: central nervous system
Host: *Ovis aries*
Dist.: Ont
Record: Anderson and Strelive 1966 exp.

Protostrongylus spp.
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY STRONGYLOIDEA

FAMILY CHABERTIIDAE

Chabertia ovina (Fabricius, 1794) Railliet and Henry, 1909
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933b (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1939 (Que); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS)

Chabertia spp.
Site: [intestine]
Host: *Ovis aries*
Dist.: Ont, Sask
Records: Swales et al. 1942 (Ont); Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

Oesophagostomum columbianum (Curtice, 1890) Stossich, 1899
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933b (NS, Ont, Que); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Swales et al. 1942 (Ont); Smith and Archibald 1965 (NS)

Oesophagostomum dentatum (Rudolphi, 1803) Molin, 1861
Site: [intestine]
Host: *Sus scrofa*
Dist.: NB, Ont, Que
Records: Swales 1933b (Ont, Que); Smith 1979a (NB)

Oesophagostomum quadrispinulatum (Marcone, 1901) Alicata, 1935
Site: [intestine]
Host: *Sus scrofa*
Dist.: NB
Records: Smith 1979a

Oesophagostomum radiatum (Rudolphi, 1803) Railliet, 1898
Site: [intestine]
Host: *Bos taurus*
Dist.: NB, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Smith and Perreault 1972 (NB); Smith and Threlfall 1973 (Nfld)

Oesophagostomum venulosum (Rudolphi, 1809) Railliet and Henry, 1913
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, Nfld, NS, Ont, Que
Records: Swales 1933b (Ont, Que), 1940a (Canada); Smith and Archibald 1965 (NS); Smith and Threlfall 1973 (Nfld)

Oesophagostomum spp.
Site: intestine
Hosts: *Bos taurus (3,4)*
Ovis aries (1,4,5)
Sus scrofa (2,4,6,7)
Dist.: NB, Nfld, Ont, Que
Records: 1. Swales 1939 (Que); 2. Davenport and Stockdale 1967 (Ont); 3. Frechette and Gibbs 1971 (Que); 4. Slocombe 1973b (Ont); 5. Smith and Threlfall 1973 (Nfld); 6. Martin et al. 1974 (Que); 7. Smith 1979a (NB)

FAMILY STRONGYLIDAE

Cyathostomum catinatum Looss, 1900
Syn.: *Cylicostomum catinatum* (Looss, 1900) Gedoelst, 1924
Syn.: *Trichonema catinatum* (Looss, 1900) LeRoux, 1924
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Nfld, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)

Cyathostomum coronatum Looss, 1900
Syn.: *Cylicostomum coronatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Sask
Record: Ransom and Hadwen 1918

Cyathostomum labiatum (Looss, 1902) McIntosh, 1933
Syn.: *Cylicostomum labiatum* (Looss, 1902) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cyathostomum labratum Looss, 1900
Syn.: *Cylicostomum labratum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicocyclus elongatus (Looss, 1900) Chaves, 1930
Syn.: *Cylicostomum elongatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Nfld, Sask
Records: Ransom and Hadwen 1918 (Sask); Smith and Threlfall 1973 (Nfld)

Cylicocyclus insigne (Boulenger, 1917) Chaves, 1930
Syn.: *Cylicostomum insigne* (Boulenger, 1917) Ransom and Hadwen, 1918
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta
Record: Ransom and Hadwen 1918

Cylicocyclus nassatus (Looss, 1900) Chaves, 1930
Syn.: *Cylicostomum nassatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Nfld, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)

Cylicocyclus radiatus (Looss, 1900) Chaves, 1930
Syn.: *Cylicostomum radiatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicodontophorus bicornatus (Looss, 1900) Cram, 1924
Syn.: *Cylicostomum bicornatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicostephanus calicatus (Looss, 1900) Cram, 1924
Syn.: *Cylicostomum calicatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicostephanus goldi (Boulenger, 1917) Lichtenfels, 1975
Syn.: *Cylicostomum goldi* (Boulenger, 1917) Ransom and Hadwen, 1918
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicostephanus poculatus (Looss, 1900) Cram, 1924
Syn.: *Cylicostomum poculatum* Looss, 1900
Syn.: *Petrovinema poculatum* (Looss, 1900) Ershov, 1943
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Nfld, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)

Gyalocephalus capitatus Looss, 1900
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, NB, Ont, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Ont); Smith 1976a (NB)

Gyalocephalus spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB
Record: Smith 1976a

Oesophagodontus robustus (Giles, 1892) Railliet and Henry, 1902
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Ont, Que); Threlfall 1969 (Nfld)

Oesophagodontus spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB
Record: Smith 1976a

Poteriostomum spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB
Record: Smith 1976a (NB)

Strongylus edentatus (Looss, 1900) Railliet and Henry, 1909
Syn.: *Alfortia edentatus* (Looss, 1900) Skrjabin, 1933
Site: aorta
Host: *Equus caballus*
Dist.: Alta, NB, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta); Swales 1933a (Sask), 1933b (Que); Slocombe 1973a (Ont); Slocombe and McCraw 1973 (Ont); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB), 1976b exp. (NB)

Strongylus equinus Mueller, 1780
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, NB, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta); Swales 1933a (Sask), 1933b (Ont, Que); Slocombe and McCraw 1973 (Ont); Smith 1976a (NB), 1976b exp. (NB)

Strongylus vulgaris (Looss, 1900) Railliet and Henry, 1909
Syn.: *Delafondia vulgaris* (Looss, 1900) Skrjabin, 1933
Site: cranial mesenteric arteries, central nervous system
Host: *Equus caballus*
Dist.: Alta, NB, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933a (Sask); Little 1972 (Ont); Slocombe 1973a (Ont); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB), 1976b exp. (NB)
Remarks: Little (1972) presumed the larva he recovered from the central nervous system of the horse was *S. vulgaris*.

Strongylus spp.
Syn.: *Alfortia* spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB, Ont
Records: Slocombe 1973a (Ont); Smith 1976a (NB)

Triodontophorus brevicauda Boulenger, 1916
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Que)

Triodontophorus minor (Looss, 1900) Looss, 1902
Site: unspecified
Host: *Equus caballus*
Dist.: Nfld
Record: Smith and Threlfall 1973

Triodontophorus serratus (Looss, 1900) Looss, 1902
Syn.: *Triodontophorus intermedius* Sweet, 1909
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933a (Sask), 1933b (Ont, Que); Smith and Threlfall 1973 (Nfld)

Triodontophorus tenuicollis Boulenger, 1916
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Triodontophorus spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB, Ont
Records: Slocombe 1973a (Ont); Smith 1976a (NB), 1976b exp. (NB)

Unidentified Strongylidae
Site: unspecified
Host: *Equus caballus*
Dist.: NB, Ont, Que
Records: Swales 1933b (Ont, Que); Slocombe and McCraw 1973 (Ont); Smith 1976a (NB), 1976b exp. (NB)

FAMILY SYNGAMIDAE

Cyathostoma spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Nfld
Record: Threlfall 1969

Stephanurus dentatus Diesing, 1839
Site: kidney
Host: *Sus scrofa*
Dist.: Man, NS
Records: Swales 1933b (Man); Smith and Hawkes 1978 (NS)

SUPERFAMILY TRICHOSTRONGYLOIDEA

FAMILY DICTYOCAULIDAE

Dictyocaulus arnfieldi (Cobbold, 1884) Railliet and Henry, 1907
Site: [lungs]
Host: *Equus caballus*
Dist.: Ont
Records: Swales 1933b

Dictyocaulus filaria (Rudolphi, 1809) Railliet and Henry, 1907
Site: [lungs]
Host: *Ovis aries*
Dist.: Alta, Canada, Nfld, Ont, PEI, Que
Records: Swales 1933b (Ont, PEI, Que); Fallis 1938 (Ont); Swales 1940a (Canada); O'Donoghue 1958 (Alta); Smith and Threlfall 1973 (Nfld)

Dictyocaulus viviparus (Bloch, 1782) Railliet and Henry, 1907
Site: lungs
Host: *Bos taurus*
Dist.: Alta, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Campbell and Wetherill 1957 (Ont); Graesser 1957 (Alta); O'Donoghue 1958 (Alta); Smith and Threlfall 1973 (Nfld)

Dictyocaulus spp.
Site: [lungs]
Hosts: *Bos taurus (1,2)*
Equus caballus (2)
Ovis aries (2)
Dist.: Ont
Records: 1. McGregor and Kingscote 1957; 2. Slocombe 1973a

FAMILY HELIGMOSOMIDAE

Citellinema bifurcatum Hall, 1916
Syn.: *Warrenius bifurcatus* (Hall, 1916) Sleggs, 1925
Site: unspecified
Host: *Equus caballus*
Dist.: Sask
Record: Swales 1933a

FAMILY MOLINEIDAE

Nematodirus abnormalis May, 1920
Site: unspecified
Host: *Ovis aries*
Dist.: Nfld
Record: Smith and Threlfall 1973

Nematodirus filicollis Rudolphi, 1802
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS)

Nematodirus helvetianus May, 1920
Site: [intestine]
Hosts: *Bos taurus*
Ovis aries
Dist.: NB, Ont
Records: 1. Swales 1933b (Ont); 2. Campbell et al. 1960 (Ont); 3. Smith and Archibald 1968 (NB); 4. Smith 1970 (NB)

Nematodirus spathiger (Railliet, 1896) Railliet and Henry, 1909
Site: intestine
Hosts: *Equus caballus (6)*
Ovis aries (1,2,3,4,5,7)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (Ont); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada); 4. Swales and Choquette 1940 (Que); 5. Smith and Archibald 1965 (NS); 6. Webster and MacKay 1969 (Que); 7. Smith and Threlfall 1973 (Nfld)

Nematodirus spp.
Site: unspecified
Hosts: *Bos taurus (3,4,5)*
Ovis aries (1,2,6)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Frechette and Gibbs 1971 (Que); 5. Slocombe 1973b (Ont); 6. Moteane et al. 1979 (Sask)

Ollulanus tricuspis Leuckart, 1865
Site: stomach
Hosts: *Felis catus (1,3,4)*
Sus scrofa (2)
Dist.: Alta, Ont, Que
Records: 1. Cameron 1940b (Que); 2. Stockdale and Lautenslager 1973 (Ont); 3. Caldwell 1984 (Ont); 4. Kennedy et al. 1984 (Alta)

FAMILY TRICHOSTRONGYLIDAE

Cooperia curticei (Railliet, 1893) Ransom, 1907
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933b (Ont); Fallis 1938 (Ont); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS)

Cooperia oncophora (Railliet, 1898) Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (5,6,7)*
Ovis aries (1,2,3,4)
Dist.: Canada, NB, NS, Ont
Records: 1. Swales 1933b (Ont); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada); 4. Smith and Archibald 1965 (NS), 5. 1968 (NB); 6. Smith 1970 (NB); 7. Smith and Threlfall 1973 (Nfld)

Cooperia punctata (von Linstow, 1907) Ransom, 1907
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Swales 1933b

Cooperia spp.
Site: [intestine]
Hosts: *Bos taurus (3,4)*
Ovis aries (1,2,5)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. Frechette and Gibbs 1971 (Que); 4. Slocombe 1973a (Ont); 5. Moteane et al. 1979 (Sask)

Haemonchus contortus (Rudolphi, 1803) Cobb, 1898
Site: intestine
Hosts: *Bos taurus (1,7,8)*
Ovis aries (1,2,3,4,5,6,9,10,11,12)
Dist.: Canada, NS, Ont, Prairie Provinces, Que
Records: 1. Swales 1933b (Ont, Que); 2. Griffiths 1937 exp. (Que); 3. Fallis 1938 (Ont); 4. Swales 1940a (Canada), 5. 1940b (Que); 6. Swales and Choquette 1940 (Que); 7. Choquette 1945 (Ont, Prairie Provinces, Que); 8. Johnston and MacPherson 1956 (Ont); 9. Gibbs 1964 (Que); 10. Smith and Archibald 1965 (NS); 11. Blitz and Gibbs 1971 (Que); 12. Slocombe 1973c (Ont)

Haemonchus spp.
Site: [intestine]
Hosts: *Bos taurus (4,5)*
Ovis aries (1,2,3,4,6)
Dist.: Ont, Que, Sask
Records: 1. Swales 1933b (Ont), 2. 1939 (Que); 3. Swales et al. 1942 (Ont); 4. Slocombe 1973b (Ont), 5. 1974 (Ont); 6. Moteane et al. 1979 (Sask)

Hyostrongylus rubidus (Hassall and Stiles, 1892) Hall, 1921
Site: stomach
Host: *Sus scrofa*
Dist.: Ont, Que
Records: 1. Swales 1933b (Ont); 2. Davenport and Stockdale 1967 (Ont); 3. Stockdale, Ashton et al. 1973 (Ont); 4. Stockdale and Lautenslager 1973 (Ont); 5. Martin et al. 1974 (Que)

Hyostrongylus spp.
Site: [stomach]
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

Ostertagia circumcincta (Stadelmann, 1894) Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (11)*
Ovis aries (1,2,3,4,5,6,7,8,9,10)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (Ont); 2. Griffiths 1937 (Ont); 3. Fallis 1938 (Ont); 4. Swales 1939 (Que), 5. 1940a (Canada), 6. 1940b (Que); 7. Swales and Choquette 1940 (Que); 8. Swales et al. 1942 (Ont); 9. Smith and Archibald 1965 (NS); 10. Swales and Threlfall 1973 (Nfld); 11. Slocombe 1974 (Ont)

Ostertagia lyrata Sjberg, 1926
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1974

Ostertagia ostertagi (Stiles, 1892) Ransom, 1907
Site: [intestine]
Host: *Bos taurus*
Dist.: NB, Ont, Que
Records: Swales 1933b (Que); Johnston and MacPherson 1956 (Ont); Smith and Archibald 1968 (NB); Smith 1970 (NB); Smith and Perreault 1972 (NB); Slocombe 1974 (Ont)

Ostertagia trifurcata Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (2,3)*
Ovis aries (1)
Dist.: Alta, NS, Ont
Records: 1. Smith and Archibald 1965 (NS); 2. Slocombe 1970 (Alta), 3. 1974 (Ont)
Remarks: In Slocombe (1970), the ox originated in Alberta and was slaughtered in Ontario.

Ostertagia spp.
Site: [intestine]
Hosts: *Bos taurus (3,4)*
Ovis aries (1,2,4,5)
Dist.: Ont, Que, Sask
Records: 1. Swales 1940b exp. (Que); 2. Gibbs 1964 (Que); 3. Frechette and Gibbs 1971 (Que); 4. Slocombe 1973b (Ont); 5. Moteane et al. 1979 (Sask)

Teladorsagia davtiani Andreeva and Satubaldin, 1954
Site: [intestine]
Host: *Ovis aries*
Dist.: NS
Record: Smith and Archibald 1965

Trichostrongylus axei (Cobbold, 1879) Railliet and Henry, 1909
Syn.: *Trichostrongylus extenuatus* (Railliet, 1898) Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (10,11,12,13)*
Ovis aries (1,2,3,4,5,6,7,8,9,12)
Dist.: Canada, NB, NS, Ont, Que
Records: 1. Swales 1933b (Ont), 2. 1939 (Que); 3. Fallis 1938 (Ont); 4. Swales 1940a (Canada), 5. 1940b (Que); 6. Swales and Choquette 1940 (Que); 7. Swales et al. 1942 (Ont); 8. Gibbs 1964 (Que); 9. Smith and Archibald 1965 (NS); 10. Smith 1970 (NB); 11. Frechette and Gibbs 1971 (Que); 12. Slocombe 1973a (Ont), 13. 1974 (Ont)

Trichostrongylus colubriformis (Giles, 1892) Ransom, 1911
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933a (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS)

Trichostrongylus vitrinus Looss, 1905
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933a (Ont); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS)

Trichostrongylus spp.
Site: [intestine]
Hosts: *Bos taurus (4)*
Ovis aries (1,2,3,4,5)
Dist.: Ont, Que, Sask
Records: 1. Griffiths 1937 (Que); 2. Swales 1939 (Que); 3. Swales et al. 1942 (Ont); 4. Slocombe 1973b (Ont); 5. Moteane et al. 1979 (Sask)

Unidentified Trichostrongyloidea (egg)
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: McGregor and Kingscote 1957

Unidentified Nematoda
Site: unspecified
Hosts: *Bos taurus (2)*
Equus caballus (1)
Dist.: Nfld, Que
Records: 1. Threlfall 1969 (Nfld); 2. Frechette and Gibbs 1971 (Que)

PHYLUM ACANTHOCEPHALA

CLASS ARCHIACANTHOCEPHALA

ORDER OLIGACANTHORHYNCHIDA

FAMILY OLIGACANTHORHYNCHIDAE

Macracanthorhynchus hirudinaceus (Pallas, 1781)
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont
Record: Swales 1933b

CLASS PALAEACANTHOCEPHALA

ORDER POLYMORPHIDA

FAMILY POLYMORPHIDAE

Corynosoma semerme (Forssell, 1904)
Site: [intestine]
Host: *Canis familiaris*
Dist.: NWT
Record: Cameron et al. 1940

PHYLUM CHELICERATA

CLASS ARACHNIDA

SUBCLASS ACARI

ORDER ACARIFORMES

SUBORDER ACARIDIDA

FAMILY PSOROPTIDAE

Chorioptes bovis (Hering, 1845) Gervais and Van Beneden, 1859
Site: unspecified
Hosts: *Bos taurus*
Equus caballus
Dist.: Ont
Record: Slocombe 1973a
Remarks: Slocombe (1973a) recorded the mite as *Chorioptes* spp.

Otodectes cynotis (Hering, 1838) Canestrini, 1894
Site: ear
Hosts: *Canis familiaris (2)*
Felis catus (1,2,3)
Dist.: BC, NB, Que
Records: 1. Spencer 1940 (BC); 2. Sweatman 1958 exp. (Que); 3. Malloy and Embil 1978 (NB)

Otodectes cynotis (Hering) var. *canis* Sewell
Host: *Canis familiaris*
Dist.: BC
Record: Spencer 1939

Otodectes cynotis (Hering) var. *felis* Huber
Host: *Felis catus*
Dist: BC
Record: Spencer 1939

Psoroptes spp.
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

FAMILY SARCOPTIDAE

Notoedres spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Sarcoptes scabiei (Linnaeus, 1758)
Site: unspecified
Hosts: *Bos taurus (2)*
Canis familiaris (2)
Felis catus (1)
Sus scrofa (2)
Dist.: Ont
Record: 1. Tyrrell 1883 (unspecified); 2. Slocombe 1973a (Ont)

SUBORDER ACTINEDIDA

FAMILY CHEYLETIDAE

Cheyletiella spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

FAMILY DEMODICIDAE

Demodex bovis Stiles, 1892
Site: [skin]
Host: *Bos taurus*
Dist.: Ont
Record: Smith 1961

Demodex phylloides Croker
Host: *Sus scrofa*
Dist.: Ont
Records: Jarvis 1910; MacNay 1952
Remarks: MacNay (1952) felt his specimens were probably *D. phylloides.*

Demodex spp.
Site: unspecified
Hosts: *Bos taurus*
Canis familiaris
Dist.: Ont
Record: Slocombe 1973a

FAMILY TROMBICULIDAE

Unidentified Trombiculidae
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

ORDER PARASITIFORMES

SUBORDER GAMASIDA

FAMILY DERMANYSSIDAE

Pneumonyssus spp.
Site: Unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

SUBORDER IXODIDA

FAMILY ARGASIDAE

Otobius lagophilus Cooley and Kohls, 1940
Site: unspecified
Host: *Felis catus*
Dist.: Alta
Record: Brown 1944b

Otobius megnini (Dugs, 1883) Banks, 1912
Site: unspecified
Hosts: *Bos taurus (2, 3)*
Felis catus (1, 3)
Ovis aries (2)
Dist.: BC
Record: 1. Gregson 1953; 2. MacNay 1957; 3. Rich 1957

Otobius spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

FAMILY IXODIDAE

Dermacentor albipictus (Packard, 1869) Banks, 1908
Syn.: *Dermacentor erraticus* var. *albipictus* (Packard)
Site: skin
Hosts: *Bos taurus (1,2,4,5,9)*
Canis familiaris (8)
Equus caballus (1,2,3,4,5,6,7,8)
Dist.: Alta, BC, NB, NS, Sask
Records: 1. Hewitt 1915 (BC, NB); 2. Cameron and Fulton 1927 (Sask); 3. Hearle 1933 (BC), 4. 1938 (BC); 5. Bequaert 1945 (NB, NS); 6. Brown and Kohls 1950 (Alta); 7. MacNay 1952 (BC), 8. 1957 (Sask); 9. Wilkinson and Lawson 1965 (unspecified)

Dermacentor andersoni Stiles, 1905
Syn.: *Dermacentor venustus* Banks, 1908
Site: skin
Hosts: *Bos taurus (3,7,10,11,12,14,15,17,18,19)*
Canis familiaris (6,13)
Equus caballus (2,6,7,13)
Felis catus (13)
Ovis aries (1,4,5,6,7,8,9,11,13)
Sus scrofa (13)
unspecified (12)
Dist.: Alta, BC, Sask
Records: 1. Hadwen 1913 (BC); 2. Hewitt 1915 (Alta, BC); 3. Hearle 1933 (BC); 4. Gregson 1935 (BC), 5. 1937 exp. (BC); 6. Hearle 1938 (BC); 7. Holland 1940 (Alta); 8. Gregson 1947 exp. (BC), 9. 1952 exp. (BC); 10. MacNay 1952 (BC, Sask); 11. Weintraub 1952 exp. (BC); 12. MacNay 1957 (BC); 13. Gregson 1958a exp. (BC); 14. Gregson 1958c (BC); 15. Wilkinson and Lawson 1965 (Alta, BC); 16. Wilkinson 1968 exp. (BC), 17. 1972 exp. (Alta, BC, Sask), 18. 1981 (Alta, BC), 19. 1982 exp. (BC)

Dermacentor variabilis (Say, 1821) Banks, 1908
Site: unspecified
Host: *Canis familiaris (1,2,3)*
collected by flagging (4)
Dist.: Man, NS, Ont
Records: 1. Bequaert 1945 (Ont); 2. MacNay 1952 (Man); 3. Judd 1953 (Ont); 4. Hall and McKiel 1961 (NS)

Dermacentor spp.
Site: unspecified
Hosts: *Felis catus*
Equus caballus
Dist.: Ont
Record: Slocombe 1973a

Haemaphysalis cinnabarina Koch
Host: *Bos taurus*
Dist.: Man
Record: Hewitt 1915

Haemaphysalis leporis-palustris (Packard)
Host: *Felis catus*
Dist.: BC
Record: Hearle 1938

Ixodes cookei Packard, 1869
Syn.: *Ixodes hexagonus* var. *cookei* Packard
Hosts: *Bos taurus (3)*
Canis familiaris (1,2,3,4)
Felis catus (3,5)
Dist.: BC, NB, Ont, Que
Records: 1. Hewitt 1915 (Ont); 2. Hearle 1938 (BC); 3. Bequaert 1945 (NB, Ont, Que); 4. Cooley and Kohls 1945 (Ont); 5. Judd 1954 (Ont)

Ixodes ricinus Linnaeus
Host: *Canis familiaris*
Dist.: BC
Records: Hewitt 1915; Hearle 1938

Ixodes ricinus var. *scapularis* Say
Host: *Canis familiaris*
Dist.: BC
Record: Hearle 1938

Ixodes spp.
Site: unspecified
Hosts: *Canis familiaris*
Felis catus
Dist.: Ont
Record: Slocombe 1973a

Rhipicephalus sanguineus (Latreille, 1806) Koch, 1844
Site: unspecified
Host: *Canis familiaris*
Dist.: BC, NS, Ont
Record: Bequaert 1945 (NS, Ont); MacNay 1957 (Ont); Spencer 1960 (BC); Wright 1979 (NS)

Rhipicephalus spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

PHYLUM UNIRAMIA

CLASS INSECTA

ORDER DIPTERA

FAMILY CALLIPHORIDAE

Calliphora spp.
Host: unspecified
Dist.: BC
Record: MacNay 1952

Lucilia illustris Meigen, 1826
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Teskey 1960

Lucilia sericata (Meigen, 1826)
Syn.: *Phaenicia sericata* (Meigen, 1826)
Host: *Ovis aries*
Dist.: Nfld
Record: MacNay 1957

Phormia regina Meigen, 1826
Site: unspecified
Hosts: *Bos taurus (1)*
Ovis aries (2)
Dist.: BC, Ont
Records 1. Hearle 1933 (BC); 2. Teskey 1960 (Ont)

Phormia terranovae Robineau-Desvoidy, 1830
Syn.: *Protophormia terranovae* (Robineau-Desvoidy, 1830) Townsend, 1908
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Teskey 1960

Wohlfahrtia opaca (Coquillet)
Host: unspecified
Dist.: BC
Record: MacNay 1952

Wohlfahrtia vigil (Walker, 1949)
Host: unspecified
Dist.: BC
Record: MacNay 1952

Unidentified Calliphoridae
Site: unspecified
Host: *Felis catus*
Dist.: Ont
Record: Slocombe 1973a

FAMILY CUTEREBRIDAE

Cuterebra spp.
Site: unspecified
Hosts: *Canis familiaris (2)*
Felis catus (1,2)
Dist.: Ont
Records: 1. Scholten et al. 1962; Slocombe 1973a

FAMILY GASTEROPHILIDAE

Gasterophilus intestinalis (De Geer, 1776) Leach, 1817
Site: mouth
Host: *Equus caballus (2,3,4)*
unspecified (1)
Dist.: Alta, Ont, Sask
Records: 1. MacNay 1952 (Sask); 2. Nelson 1952 (Alta); 3. Teskey 1960 (Ont); 4. Slocombe 1973a (Ont)

Gasterophilus nasalis (Linnaeus, 1758) Leach, 1817
Site: mouth
Host: *Equus caballus*
Dist.: Alta, Ont
Records: Nelson 1952 (Alta); Teskey 1960 (Ont); Slocombe 1973a (Ont)

Gasterophilus spp.
Host: *Equus caballus*
Dist.: Man
Record: MacNay 1952

FAMILY HIPPOBOSCIDAE

Melophagus ovinus (Linnaeus, 1758) Latreille, 1802
Site: skin
Host: *Ovis aries*
Dist.: BC, Ont, Sask
Records: Spencer 1938 (BC), 1939 (BC); MacNay 1952 (BC); Teskey 1960 (Ont); Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

FAMILY OESTRIDAE

Hypoderma bovis (Linnaeus, 1758) Latreille, 1818
Site: subcutaneous tissues
Host: *Bos taurus*
Dist.: Alta, BC, Ont
Records: Gregson 1958b (Alta, BC); Teskey 1960 (Ont)

Hypoderma lineatum (Villers, 1789) Latreille, 1818
Site: subcutaneous tissues
Host: *Bos taurus*
Dist.: Alta, BC
Records: Gregson 1958b (Alta, BC); Nelson and Weintraub 1972 exp. (Alta)

Hypoderma spp.
Site: oesophagus, subcutaneous tissues
Hosts: *Bos taurus (2,3)*
Equus caballus (2)
unspecified (1)
Dist.: Alta, BC, Man, Ont, Sask
Records: 1. MacNay 1957 (Alta, BC, Man, Ont); 2. Slocombe 1973a (Ont); 3. Blakley 1979 (Sask)

Oestrus ovis Linnaeus, 1761
Site: unspecified
Host: *Ovis aries*
Dist.: Ont, Western Canada
Records: Fallis 1940 (Ont, Western Canada); Teskey 1960 (Ont); Slocombe 1973a (Ont)

Unidentified Diptera
Site: lung
Host: *Ovis aries*
Dist.: BC
Record: MacNay 1952
Remarks: One rat-tailed maggot found in the lung of a sheep (MacNay 1952).

ORDER MALLOPHAGA

SUBORDER ISCHNOCERA

Damalinia bovis (Linnaeus, 1758) Mjoberg, 1910
Syn.: *Bovicola bovis*
Site: unspecified
Host: *Bos taurus*
Dist.: BC, Man, NS, Ont, Que
Record: Thompson 1934 (NS, Que); Whitehead 1934 (Que); Spencer 1939 (BC); MacNay 1952 (Man); Hopkins 1960 (BC); Teskey 1960 (Ont)

Damalinia caprae (Gurlt, 1843)
Syn.: *Bovicola caprae* (Gurlt, 1843)
Host: *Capra hircus*
Dist.: BC
Record: Spencer 1939

Damalinia equi (Denny, 1842)
Host: *Equus cabalus*
Dist.: BC
Record: Hopkins 1960

Damalinia limbata (Gervais, 1844) Mjoberg, 1910
Site: unspecified
Host: *Capra hircus*
Dist.: Ont
Record: Teskey 1960

Damalinia spp.
Site: unspecified
Hosts: *Bos taurus*
Equus caballus
Dist.: Ont
Record: Slocombe 1973a

Felicola subrostratus (Nitzsch, 1838)
Host: *Felis catus*
Dist.: BC, Que
Records: Whitehead 1934 (Que); Hopkins 1960 (BC)

Trichodectes canis (de Geer, 1778)
Host: *Canis familiaris*
Dist.: BC
Records: Spencer 1939; Hopkins 1960

Trichodectes equi (Linnaeus)
Host: *Equus caballus*
Dist.: BC
Record: Spencer 1939

Trichodectes spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

ORDER SIPHONAPTERA

FAMILY CERATOPHYLLIDAE

Monopsyllus vison (Baker, 1904)
Host: *Felis catus*
Dist.: Sask
Record: Holland 1984

FAMILY HYSTRICHOPSYLLIDAE

Tamiophila grandis (Rothschild, 1902)
Host: *Canis familiaris*
Dist.: NB
Record: Brown 1968

FAMILY PULICIDAE

Ctenocephalides canis (Curtis, 1826)
Hosts: *Canis familiaris (1,2,3,4,5,6)*
Felis catus (3,4)
Dist.: Alta, BC, NB, Ont
Records: 1. Harvey 1907 (BC); 2. Spencer 1936 (BC), 3. 1939 (BC); 4. Brown 1944a (Alta); 5. Brown 1955 (NB); 6. Holland 1984 (BC, Ont)

Ctenocephalides felis (Bouche, 1835)
Hosts: *Canis familiarus (2,3)*
Felis catus (1,2,3)
Dist.: BC, NS
Records: 1. Spencer 1936 (BC), 2. 1939 (BC); 3. Wright 1979 (NS)

Ctenocephalides felis felis (Bouch, 1835)
Site: unspecified
Hosts: *Canis familiaris (2,3,4)*
Felis catus (1,2,3,4)
Dist.: Alta, BC, Man, Nfld, NB, NS, Ont, Que, Sask
Record: 1. Brown 1944a (Alta); 2. Brown 1955 (NB, NS); 3. Buckner 1964 (Man); 4. Holland 1984 (BC, Man, Nfld, NS, Ont, Que, Sask)

Ctenocephalides spp.
Site: unspecified
Hosts: *Felis catus (3)*
unspecified (1,2)
Dist.: Canada, Ont, PEI
Record: 1. MacNay 1952 (Ont, PEI), 2. 1957 (Canada); 3. Slocombe 1973a (Ont)
Remarks: MacNay (1957) refered to *Ctenocephalides* spp. as infesting household pets from coast to coast.

ORDER SIPHUNCULATA

FAMILY HAEMATOPINIDAE

Haematopinus asini (Linnaeus, 1775)
Host: *Equus caballus*
Dist.: BC, Que
Records: Whitehead 1934 (Que); Spencer 1939 (BC), 1966 (BC)

Haematopinus eurysternus (Nitzsch, 1818)
Site: unspecified
Host: *Bos taurus*
Dist.: BC, NS, Ont, Que
Record: Thompson 1934 (NS, Que); Whitehead 1934 (Que); Spencer 1939 (BC); Teskey 1960 (Ont); Spencer 1966 (BC)

Haematopinus suis (Linnaeus, 1758) Leach, 1815
Site: unspecified
Host: *Sus scrofa*
Dist.: BC, Ont, Que
Records: Whitehead 1934 (Que); Spencer 1939 (BC); Rich 1952 (BC); Teskey 1960 (Ont); Spencer 1966 (BC); Wright 1979 (Que)

Haematopinus spp.
Site: unspecified
Hosts: *Bos taurus*
Equus caballus
Sus scrofa
Dist.: Ont
Record: Slocombe 1973a

FAMILY LINOGNATHIDAE

Linognathus pedalis (Osborn, 1896)
Host: *Ovis aries*
Dist.: BC
Record: Spencer 1939

*Linognathus setosus (*Olfers, 1816)
Syn.: *Linognathus piliferus* (Burmeister)
Host: *Canis familiaris*
Dist.: BC, Man, Ont, Que
Records: Whitehead 1934 (Que); Spencer 1939 (BC); MacNay 1952 (Man, Ont); Judd 1953 (Ont)

Linognathus stenopsis (Burmeister, 1839) Enderlein, 1905
Site: unspecified
Host: *Capra hircus*
Dist.: Ont
Record: Teskey 1960

Linognathus vituli (Linnaeus, 1758) Enderlein, 1905
Site: unspecified
Host: *Bos taurus*
Dist.: Ont, Que
Record: Whitehead 1934 (Que); Teskey 1960 (Ont)

Linognathus spp.
Site: unspecified
Hosts: *Bos taurus*
Canis familiaris
Dist.: Ont
Records: Slocombe 1973a

Solenopotes capillatus Enderlein, 1904
Site: unspecified
Host: *Bos taurus*
Dist.: Ont
Record: Teskey 1960

Unidentified lice
Host: *Bos taurus*
Dist.: BC, Man
Record: MacNay 1957

HOST-PARASITE LIST

CLASS MAMMALIA

INFRACLASS EUTHERIA

ORDER ARTIODACTYLA

FAMILY BOVIDAE

Bos taurus Ox

PROTOZOA

Coccidia gen. sp. (Ont)
Cryptosporidium spp. (Ont)
Eimeria alabamanensis (Ont)
E. arloingi (Ont)
E. aubernensis (Ont)
E. bovis (Ont)
E. bukidnonensis (Ont)
E. canadensis (Ont)
E. cylindrica (Ont)
E. ellipsodalis (Ont)
E. wyomingensis (Ont)
E. zuernii (Ont)
Sarcocystis spp (Ont)
Trichomonas spp. (Ont)
Trypanosoma rutherfordi (BC)
T. theileri (Ont)
T. uniforme (Ont)
Trypanosoma spp. (BC)

TREMATODA

Calicophoron microbothrioides (Que)
Dicrocoelium dendriticum (BC, Nfld)
Fascioloides magna (Alta, Ont)
Paramphistomum liorchis (Que)
Paramphistomum spp. (Alta, Ont)

CESTOIDEA

Cysticercus bovis (Ont, Sask)
C. tenuicollis (Ont, Que)
Moniezia benedeni egg (NB, Que)
M. expansa (Que)
Moniezia spp. (Ont, Que)

NEMATODA

Ascaris lumbricoides larva (Ont)
Bunostomum phlebotomum (Que)
B. trigonocephalum (Ont, Que)
Bunostomum spp. (Ont, Que)
Capillaria spp. (Ont, Que)
Cooperia oncophora (NB, Nfld)
C. punctata (Ont)
Cooperia spp. (Ont, Que)
Dictyocaulus viviparus (Alta, Nfld, Ont, Que)
Dictyocaulus spp. (Ont)
Haemonchus contortus (Ont, Prairie Provinces, Que)
Haemonchus spp. (Ont)
Nematoda gen. sp. (Que)
Nematodirus helvetianus (NB, Ont)
Nematodirus spp. (Ont, Que)
Oesophagostomum radiatum (NB, Nfld, Ont, Que)
Oesophagostomum spp. (Ont, Que)
Onchocerca gutturosa (Ont, Que)
O. lienalis (Ont, Que)
Onchocerca spp. (Man, Sask)
Ostertagia circumcincta (Ont)
O. lyrata (Ont)
O. ostertagi (NB, Ont, Que)
O. trifurcata (Alta, Ont)
Ostertagia spp. (Ont, Que)
Parafilaria bovicola (Alta, Que)
Setaria labiatopapillosa (Alta, Man, Ont, Que)
Stephanofilaria stilesi (Alta)
Strongyloidea gen. sp. (Ont)
Strongyloides papillosus (Que)
Strongyloides spp. (Ont)
Thelazia lacrymalis (Ont)
T. gulosa (Ont)
Trichostrongyloidea gen. sp. egg (Ont)
Trichostrongylus axei (NB, Ont, Que)
Trichostrongylus spp. (Ont)
Trichuridae gen. sp. (Ont)
Trichuris ovis (NB, Que)
Trichuris spp. (Alta, NB, NWT, Ont, Sask)
Trichuris spp. egg (NB, Ont)
Unidentified Rhabditoidea (Ont)

CHELICERATA

ACARI

Chorioptes bovis (Ont)
Demodex bovis (Ont)
Demodex spp. (Ont)
Dermacentor andersoni (Alta, BC, Sask)
D. albipictus (BC, NB, NS, Sask)
Haemaphysalis cinnabarina (Man)
Ixodes cookei (NB, Ont, Que)
Otobius megnini (BC)
Sarcoptes scabiei (Ont)

UNIRAMIA

DIPTERA

Hypoderma bovis larva (Alta, BC, Ont)
H. lineatum (Alta, BC)
Hypoderma spp. (Ont, Sask)
Phormia regina (BC)

MALLOPHAGA

Damalinia bovis (BC, Man, NS, Ont, Que)
Damalinia spp. (Ont)

SIPHUNCULATA

Haematopinus eurysternus (BC, NS, Ont, Que)

Haematopinus spp. (Ont)
Lice (unidentified) (BC, Man)
Linognathus vituli (Ont, Que)
Linognathus spp. (Ont)
Solenopotes capillatus (Ont)

Capra hircus Domestic Goat
UNIRAMIA
MALLOPHAGA
Damalinia caprae (BC)
D. limbata (Ont)

SIPHUNCULATA
Linognathus stenopsis (Ont)

Ovis aries Domestic Sheep
PROTOZOA
Coccidia gen. sp. (Que, Sask)
Eimeria ahsata (Alta)
E. arloingi (Alta, Ont)
E. crandallis (Alta)
E. faurei (Alta)
E. granulosa (Alta)
E. intricata (Alta)
E. ninakohlyakimovae (Alta, Ont)
E. pallida (Alta)
E. parva (Alta, Ont)
E. punctata (Alta)
Eimeria spp. (Que)
Sarcocystis spp. (Sask)
Toxoplasma spp. (Ont)

TREMATODA
Dicrocoelium dendriticum (NS, Que)
Fasciola hepatica (Canada)

CESTOIDEA
Cysticercus ovis (Canada, Man, NS)
C. tenuicollis (Alta, Canada, Ont, Que)
Moniezia expansa (Canada, Nfld, NS, Ont, Que)
Moniezia spp. (Nfld, Sask)
Taenia hydatigena cysticercus (Que, Sask)
Thysanosoma actinioides (Alta, BC, Canada, Sask)
Thysanosoma spp. (Ont, Sask)

NEMATODA
Ascaris suum (Que)
Ascaris spp. (Canada, Ont)
Bunostomum trigonocephalum (Canada, Nfld, NS, Ont, Que)
Bunostomum spp. (Que, Sask)
Capillaria longipes (Canada, Que)
Capillaria spp. (NS, Ont, Que)
Chabertia ovina (Canada, NS, Ont, Que)
Chabertia spp. (Ont, Sask)
Cooperia curticei (Canada, NS, Ont, Que)
C. oncophora (Canada, NS, Ont)
Cooperia spp. (Ont, Que, Sask)
Dictyocaulus filaria (Alta, Canada, Nfld, Ont, PEI, Que)
Dictyocaulus spp. (Ont)
Gongylonema pulchrum (Canada, Ont)
Haemonchus contortus (Canada, NS, Ont, Que)
Haemonchus spp. (Ont, Que, Sask)
Muellerius capillaris (Canada, Ont)
Muellerius spp. (Ont)
Nematodirus abnormalis (Nfld)
N. filicollis (Canada, NS, Ont, Que)
N. helvetianus (NB, Ont)
N. spathiger (Canada, Nfld, NS, Ont, Que)
Nematodirus spp. (Ont, Que, Sask)
Oesophagostomum columbianum (Canada, NS, Ont, Que)
O. venulosum (Canada, Nfld, NS, Ont, Que)
Oesophagostomum spp. (Nfld, Ont, Que)
Ostertagia circumcincta (Canada, Nfld, NS, Ont, Que)
O. trifurcata (NS)
Ostertagia spp. (Ont, Que, Sask)
Parelaphostrongylus tenuis exp. (Ont)
Protostrongylus spp. (Ont)
Skrjabinema spp. (Sask)
Strongyloides papillosus exp. (Canada, NS, Ont, Que)
Strongyloides spp. (Ont, Que, Sask)
Telodorsagia davtiani (NS)
Trichostrongylus axei (Canada, NS, Ont, Que)
T. colubriformis (Canada, NS, Ont, Que)
T. vitrinus (Canada, NS, Ont, Que)
Trichostrongylus spp. (Ont, Que, Sask)
Trichuris ovis (Canada, Nfld, NB, NS, Ont, Que)
Trichuris spp. (Alta, NWT, Ont, Sask)

CHELICERATA
ACARINA
Dermacentor andersoni (Alta, BC)
Otobius megnini (BC)

UNIRAMIA
DIPTERA
Lucilia illustris (Ont)
L. sericata (Nfld)
Melophagus ovinus (BC, Ont, Sask)
Oestrus ovis (Ont, Western Canada)
Phormia regina (Ont)
P. terranovae (Ont)
Unidentified Diptera (BC)

SIPHUNCULATA
Linognathus pedalis (BC)

FAMILY SUIDAE

Sus scrofa Domestic Pig

PROTOZOA

Balantidium spp. (Ont)
Eimeria dublieki (Ont)
Toxoplasma spp. (Ont)
Trichomonas spp. (Ont)

TREMATODA

Paragonimus spp. (Ont)

CESTOIDEA

Cysticercus cellulosae (Man, Ont, Sask)
Echinococcus granulosus hydatid cyst (Ont)
Echinococcus spp. hydatid (Ont)
Multiceps spp. (Ont)
Taenia hydatigena cysticercus (Que)

NEMATODA

Ascaris lumbricoides larva (All Provinces, Ont)
A. suum (Nfld, Que, Sask)
Ascaris spp. (Ont)
Ascarops spp. (Ont)
Hyostrongylus rubidus (Ont, Que)
Hyostrongylus spp. (Ont)
Metastrongylus pudendotectus (Ont)
M. salmi (NS, Ont, PEI, Que)
Metastrongylus spp. (Ont)
Oesophagostomum dentatum (NB, Ont, Que)
O. quadrispinulatum (NB)
Oesophagostomum spp. (NB, Ont, Que)
Ollulanus tricuspis (Ont)
Physocephalus spp. (Ont)
Stephanurus dentatus (Man, NS)
Strongyloides spp. (Ont)
Trichinella spiralis cyst/larva (BC, Man, NB, NS, Ont, PEI, Que)
Trichuris suis (Ont, Que)
Trichuris spp. (Ont)

ACANTHOCEPHALA

Macracanthorhynchus hirudinaceus (Ont)

CHELICERATA

ACARI

Demodex phylloides (Ont)
Dermacentor andersoni (BC)
Sarcoptes scabiei (Ont)

UNIRAMIA

SIPHUNCULATA

Haematopinus suis (BC, Ont, Que)
Haematopinus spp. (Ont)

ORDER CARNIVORA

FAMILY CANIDAE

Canis familiaris Domestic Dog

PROTOZOA

Eimeria canis (Ont, Que)
Endolimax nana (Sask)
Entamoeba blattae (Que)
E. coli (Que, Sask)
E. histolytica (Que, Sask)
Giardia canis (Que)
Giardia spp. (Ont)
Isospora bigemina (Que)
I. felis (Ont, Que)
I. rivolta (Ont, Que)
Isospora spp. (Alta, NB, NWT, Que, Sask)
Toxoplasma gondii (Ont)
Toxoplasma spp. (Ont)
Trichomonas spp. (Ont)

TREMATODA

Alaria arisaemoides (Sask)
A. canis (Ont)
Alaria spp. (Alta, NWT, Ont, Que, Sask)
Cryptocotyle lingua (Nfld, Que)
Metorchis conjunctus (Alta, Man, NWT, Ont, Que, Sask)
Metorchis spp. (Sask)
Paragonimus kellicotti (Ont)
Paragonimus spp. (Ont)
Parametorchis complexus (Man)
Unidentified Trematoda (Man, NWT, Que)

CESTOIDEA

Diphyllobothrium latum (Alta, Nfld, NWT, Que, Sask)
Diphyllobothrium spp. (Alta, Man, Nfld, NWT, Ont, Que, Sask)
Dipylidium caninum (NB, Nfld, NWT, Ont)
Dipylidium spp. (Ont, Sask)
Echinococcus granulosus (Ont, Que)
Taenia crassiceps (Ont)
T. elliptica (Que)
T. hydatigena (Nfld, Que)
T. pisiformis (Alta, Nfld, NWT, Ont, Que)
T. serialis (Alta, NWT)
Taenia spp. (BC, Man, NWT, Ont, Que, Sask)
Taenia/Echinococcus spp. (egg) (Alta, NWT, Sask)
Unidentified Cestoidea (Man, Que)

NEMATODA

Ancylostomatidae gen. sp. (Alta, NB, NWT, Que, Sask)
Ancylostomum caninum (Alta, Ont, Que)
Ancylostomum spp. (Ont, Sask)
Ascaris spp. (Que)
Capillaria aerophila (Que)
Capillaria spp. (Ont)

Corynosoma semerme (NWT)
Crenosoma vulpis (Nfld)
Dioctophyma renale (Man, NWT, Ont, Que)
Dipetalonema spp. (Ont)
Dirofilaria immitis (Alta, Ont)
Dirofilaria spp. (Ont)
Dracunculus insignis (Que)
Filaroides milksi (BC)
Filaroides spp. (Ont)
Oslerus osleri (Que)
Pelodera strongyloides (Ont)
Physaloptera rara (Que)
Spirocerca spp. (Ont)
Strongyloides stercoralis (Que)
Strongyloides spp. (Ont)
Toxascaris leonina (Alta, Man, NB, Nfld, NWT, Ont, Que, Sask)
Toxascaris spp. (Ont, Sask)
Toxocara canis (Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask)
Toxocara spp. (Ont, Sask)
Trichuris vulpis (Nfld, Ont, Que)
Trichuris spp. (Alta, NWT, Ont, Sask)
Trichuris spp. egg (NB, Que, Sask)
Uncinaria stenocephala (Alta, BC, Lab, Man, Nfld, NWT, Ont, Que)
Uncinaria spp. (Ont, Sask)
Unidentified Rhabditoidea (Ont)

CHELICERATA

ACARI
Cheyletiella spp. (Ont)
Demodex spp. (Ont)
Dermacentor albipictus (Sask)
D. andersoni (BC)
D. variabilis (Man, Ont)
Ixodes cookei (BC, NB, Ont, Que)
I. ricinus (BC)
I. ricinus var. *scapularis* (BC)
Ixodes spp. (Ont)
Notoedres spp. (Ont)
Otobius spp. (Ont)
Otodectes cynotis (Que)
O. cynotis var. *canis* (BC)
Pneumonyssus spp. (Ont)
Rhipicephalus sanguineus (BC, NS, Ont)
Rhipicephalus spp. (Ont)
Sarcoptes scabiei (Ont)
Trombiculidae gen. sp. (Ont)

UNIRAMIA

DIPTERA
Cuterebra spp. (Ont)

MALLOPHAGA
Trichodectes canis (BC)
Trichodectes spp. (Ont)

SIPHONAPTERA
Ctenocephalides canis (Alta, BC, NB, Ont)
C. felis (BC, NS)
Ctenocephalides felis felis (BC, Man, NB, Nfld, NS, Ont, Que, Sask)
Tamiophila grandis (NB)

SIPHUNCULATA
Linognathus setosus (BC, Man, Ont, Que)
Linognathus spp. (Ont)

FAMILY FELIDAE

Felis catus Domestic Cat

PROTOZOA
Isospora felis (Ont)
I. rivolta (Ont)
Isospora spp. (NB)
Toxoplasma gondii (Ont)
Toxoplasma spp. (Ont)

TREMATODA
Metorchis conjunctus (Ont, Que)
Parametorchis complexus (Alta)
Plagiorchis massino (Nfld)

CESTOIDEA
Diphyllobothrium dendriticum (Nfld)
Diphyllobothrium spp. (Ont)
Dipylidium caninum (Nfld, Ont)
Dipylidium spp. (Ont)
Echinococcus multilocularis (Sask)
Taenia taeniaeformis (Nfld, Que)
Taenia spp. (Ont)

NEMATODA
Aelurostrongylus spp. (Ont)
Ancylostomum spp. (Ont)
Capillaria hepatica (NB)
Capillaria spp. (Ont)
Dirofilaria immitis (Ont)
Ollulanus tricuspis (Alta, Ont, Que)
Rhabditoidea gen. sp. (Ont)
Strongyloides spp. (Ont)
Toxascaris leonina (NB, Nfld)
Toxascaris spp. (Ont)
Toxascaris cati (NB, Nfld, NS, Que)
Toxocara spp. (Ont)

CHELICERATA
ACARI
Dermacentor andersoni (BC)
Dermacentor spp. (Ont)
Haemophysalis leporis-palustris (BC)
Ixodes cookei (NB, Ont, Que)
Ixodes spp. (Ont)

Otobius lagophilus (Alta)
O. megnini (BC)
Otodectes cynotis (BC, NB, Que)
O. cynotis var. *felis* (BC)
Sarcoptes scabiei (unspecified)

UNIRAMIA
DIPTERA
Calliphoridae gen. sp. (Ont)
Cuterebra spp. (Ont)

MALLOPHAGA
Felicola subrostratus (BC, Que)

SIPHONAPTERA
Ctenocephalides canis (Alta, BC)
C. f. felis (BC, NS)
C. felis (Alta, BC, Man, Nfld, NB, NS, Ont, Que, Sask)
Ctenocephalides spp. (Ont)
Monopsyllus vison (Sask)

ORDER PERISSODACTYLA

FAMILY EQUIDAE

Equus caballus Domestic Horse

PROTOZOA
Cryptosporidium spp. (Sask)
Eimeria crandallis (Ont)
E. granulosa (Ont)
E. intricata (Ont)
E. leuckarti (Ont)
Klossiella equi (NB)
Sarcocystis spp. (Ont)
Toxoplasma spp. (Ont, Sask)
Trichomonas spp. (Ont)
Trypanosoma equiperdum (Alta)

CESTOIDEA
Anoplocephala magna (Ont, Que)
A. perfoliata (Nfld, Ont)
Anoplocephala spp. (Ont)
Paranoplocephala mamillana (BC, Que, Sask)

NEMATODA
Capillaria hepatica (Alta)
Citellinema bifurcatum (Sask)
Cyathostoma spp. (Nfld)
Cyathostomum catinatum (Alta, Nfld, Sask)
C. coronatum (Sask)
C. labiatum (Alta, Sask)
C. labratum (Alta, Sask)
Cylicocyclus elongatus (Nfld, Sask)
C. insigne (Alta)
C. nassatus (Alta, Nfld, Sask)
C. radiatus (Alta, Sask)
Cylicodontophorus bicornatus (Alta, Sask)
Cylicostephanus calicatus (Alta, Sask)
C. goldi (Alta, Sask)
C. poculatus (Alta, Nfld, Sask)
Dictyocaulus arnfieldi (Ont)
Dictyocaulus spp. (Ont)
Gyalocephalus capitatus (Alta, NB, Ont, Sask)
Gyalocephalus spp. (NB)
Habronema majus (Ont)
H. muscae (Ont)
Habronema spp. (Ont)
Nematoda gen. sp. (Nfld)
Nematodirus spathiger (Que)
Oesophagodontus robustus (Alta, Nfld, Ont, Que, Sask)
Oesophagodontus spp. (NB)
Onchocerca cervicalis (BC, Que)
Oxyuris equi (NB, Nfld, Ont, Que)
Oxyuris spp. (Ont)
Parascaris equorum (NB, Nfld, Ont, Que)
Parascaris spp. (Ont)
Poteriostomum spp. (NB)
Probstmayria vivipara (NB, Que)
Setaria equina (Ont, Que)
Setaria spp. (Ont)
Strongyles gen. sp. (NB, Ont, Que)
Strongyloides spp. (Ont)
Strongylus edentatus (Alta, NB, Nfld, Ont, Que, Sask)
S. equinus (Alta, NB, Ont, Que, Sask)
S. vulgaris (Alta, NB, Nfld, Ont, Que, Sask)
Strongylus spp. (NB, Ont)
Thelazia lacrymalis (Ont)
Thelazia spp. (Ont)
Triodontophorus brevicauda (Alta, Que, Sask)
T. minor (Nfld)
T. serratus (Alta, Nfld, Ont, Que, Sask)
T. tenuicollis (Alta, Sask)
Triodontophorus spp. (NB, Ont)

CHELICERATA
ACARI
Chorioptes spp. (Ont)
Dermacentor albipictus (Alta, BC, NB, NS, Sask)
D. andersoni (Alta, BC)
Dermacentor spp. (Ont)
Psoroptes spp. (Ont)

UNIRAMIA
DIPTERA
Gasterophilus intestinalis (Alta, Ont)
G. nasalis (Alta, Ont)
Gasterophilus spp. (Man)
Hypoderma spp. (Ont)

MALLOPHAGA
Damalinia equi (BC)

Damalinia spp. (Ont)
Trichodectes equi (BC)

SIPHUNCULATA
Haematopinus asini (BC, Que)
Haematopinus spp. (Ont)

References

ALLEN, G.W. 1962. Acute atypical bovine pneumonia caused by *Ascaris lumbricoides*. Canadian Journal of Comparative Medicine and Veterinary Science 26: 241-243.

ALLEN, J.A., AND R.A. WARDLE. 1934. Fluke disease in northern Manitoba sledge dogs. Canadian Journal of Research 10: 404-408.

ALLEN, J.R., AND J.H.L. MILLS. 1971. *Alaria arisaemoides* in Saskatchewan dogs. Canadian Veterinary Journal 12: 24-28.

AMIN, O.M. 1982. *Acanthocephala*. pp. 933-940. *In*. Synopsis and Classification of Living Organisms. McGraw-Hill Book Co., New York.

ANDERSON, R.C., A.G. CHABAUD, AND S. WILLMOTT, eds. 1974-1983. CIH Keys to the Nematode Parasites of Vertebrates Nos. 1-10. Commonwealth Agricultural Bureaux, Farnham Royal, Bucks, England.

ANDERSON, R.C., AND U.R. STRELIVE. 1966. Experimental cerebrospinal nematodiasis (*Pneumostrongylus tenuis*) in sheep. Canadian Journal of Zoology 44: 889-894.

ANVIK, J.O., A.E. HAGUE, AND A. RAHAMAN. 1974. A method of estimating urban dog populations and its application to the assessment of canine fecal pollution and endoparasitism in Saskatchewan. Canadian Veterinary Journal 15: 219-223.

AUSTIN, R.J., AND K.H. DIES. 1981. *Klossiella equi* in the kidneys of a horse. Canadian Veterinary Journal 22: 159-161.

AXELSON, R.D. 1962. *Metorchis conjunctus* liver fluke infestation in a cat. Canadian Veterinary Journal 3: 359-360.

BARKER, I.K. 1970. *Thelazia lacrymalis* from the eyes of an Ontario horse. Canadian Veterinary Journal 11: 186-189.

BASIR, M.A. 1950. The morphology and development of the sheep nematode, *Strongyloides papillosus* (Wedl, 1856). Canadian Journal of Research 28: 173-196.

BEQUAERT, J.C. 1945. The ticks, or Ixodoidea, of the northeastern United States and eastern Canada. Entomologica Americana 25: 121-224.

BERNARD, M.A. 1970. Feline dirofilariasis. Canadian Veterinary Journal 11: 190-191.

1971. Dirofilariasis in Canada. Canadian Veterinary Journal 12: 139.

BLAKLEY, B.R. 1979. A livestock disease survey from auction mart inspection in Saskatchewan. Canadian Veterinary Journal 20: 358-360.

BLITZ, N.M., AND H.C. GIBBS. 1971. Morphological characterization of the stage of arrested development of *Haemonchus contortus* in sheep. Canadian Journal of Zoology 49: 991-995.

BOUVRY, M., AND M.E. RAU. 1984. Paramphistomum spp. in dairy cattle in Quebec. Canadian Veterinary Journal 25: 353-356.

BROOKS, D.R., R.T. O'GRADY, AND D.R. GLEN. 1985. Phylogenetic analysis of the Digenea (Platyhelminthes: Cercomeria) with comments on their adaptive radiation. Canadian Journal of Zoology 63: 411-443.

BROWN, J.H. 1944a. The fleas (Siphonaptera) of Alberta, with a list of the known vectors of sylvatic plague. Annals of the Entomological Society of America 37: 207-213.

1944b. The spotted fever and other Albertan ticks. Canadian Journal of Research 22: 36-51.

BROWN, J.H., AND G.M. KOHLS. 1950. The ticks of Alberta with special reference to distribution. Canadian Journal of Research 28: 197-205.

BROWN, N.R. 1955. Additional host and distribution records of some eastern Canadian Siphonaptera. Canadian Entomologist 87: 362-365.

1968. Notes on the Siphonaptera of New Brunswick. Canadian Entomologist 100: 486-498.

BUCKNER, C.H. 1964. Fleas (Siphonaptera) of Manitoba mammals. Canadian Entomologist 96: 850-856.

CALDWELL, D. 1984. *Ollulanus tricuspis* in an Ontario cattery. Veterinary Bulletin 54: 314-315.

CAMERON, A.E., AND J.S. FULTON. 1927. A local outbreak of the winter or moose tick, *Dermacentor albipictus*, Pack. (Ixodoidea) in Saskatchewan. Bulletin of Entomological Research 17: 249-257.

CAMERON, T.W.M. 1938. Investigations on trichinosis in Canada. I. A preliminary survey of the incidence of *Trichinella spiralis* in hogs in eastern Canada. Canadian Journal of Research 16: 89-92.

1939. Investigations on trichinosis in Canada. II. A further survey of the incidence of *Trichinella spiralis* in hogs in eastern Canada. Canadian Journal of Research 17: 151-153.

1940a. Investigations on trichinosis in Canada. III. On the incidence of trichinosis in garbage-fed hogs. Canadian Journal of Research 18: 83-85.

1940b. *Ollulanus tricuspis* in the cat in Canada. Canadian Journal of Comparative Medicine 4: 296-297.

CAMERON, T.W.M., I.W. PARNELL, AND L.L. LYSTER. 1940. The helminth parasites of sledge-dogs in Northern Canada and Newfoundland. Canadian Journal of Research 18: 325-332.

CAMPBELL, D.J., D.L. DIAMOND, AND A.A. KINGSCOTE. 1960. Nematodiriasis in calves. Canadian Veterinary Journal 1: 119-122.

CAMPBELL, D.J., AND G.D. WETHERILL. 1957. Parasitic bronchitis in adult cattle in Ontario — a case report. Journal of the American Veterinary Medical Association 131: 273-275.

CHOQUETTE, L.P.E. 1945. Observation on the incidence

of the common stomach worm, *Haemonchus contortus*, in young cattle in a Montreal abattoir. Canadian Journal of Comparative Medicine 9: 330-331.

1956. Observations on experimental infection of dogs with *Echinococcus*. Canadian Journal of Zoology 34: 190-192.

CHOQUETTE, L.P.E., AND L. de G. GELINAS. 1950. The incidence of intestinal nematodes and protozoa in dogs in the Montreal district. Canadian Journal of Comparative Medicine 14: 33-38.

CLARK, E.G., H.G.G. TOWNSEND, AND N.T. McKENZIE. 1981. Equine protozoal myeloencephalitis: A report of two cases from western Canada. Canadian Veterinary Journal 22: 140-144.

COMFORT, C.M., AND R.D. AXELSON. 1962. Two reports of unusual parasites diagnosed in dogs. Canadian Veterinary Journal 3: 22-24.

CONKLIN, R.L., AND A.D. BAKER. 1930. Presence of the lancet fluke, *Dicrocoelium dendriticum* (Rudolphi, 1819), in Canada. Journal of Parasitology 17: 18-19.

COOLEY, R.A., AND G.M. KOHLS. 1945. The genus *Ixodes* in North America. U.S. Public Health Service, National Institute of Health Bulletin No. 184, 246 pp.

DAVENPORT, P.G., AND P.H.G. STOCKDALE. 1967. A case of hyostrongylosis in Ontario. Canadian Veterinary Journal 8: 288-290.

DEROTH, L., AND J.L. FRECHETTE. 1975. *Dracunculus insignis* (Leidy, 1858) chez un berger allemand. Canadian Veterinary Journal 16: 176-178.

DIES, K.H., AND J. PRITCHARD. 1985. Bovine Stephanofilarial dermatitis in Alberta. Canadian Veterinary Journal 26: 361-362.

EMERSON, K.C. 1972. Checklist of the Mallophaga of North America (North of Mexico). Deseret Test Center. Dugway, Utah.

FALLIS, A.M. 1938. A study of the helminth parasites of lambs in Ontario. Transactions of the Royal Canadian Institute 22: 81-128.

1940. Studies on *Oestrus ovis* L. Canadian Journal of Research 18: 442-446.

FLETCH, A.L. 1969. Pneumothorax in a dog with *Dirofilaria immitis* infection. Canadian Veterinary Journal 10: 80-82.

FRANK, J.F. 1952. A study of the incidence of Trichinosis in swine in the maritime provinces. Canadian Journal of Comparative Medicine 16: 73-77.

FRECHETTE, J.L., AND H.C. GIBBS. 1971. Studies on the incidence of gastrointestinal helminths of cattle in Quebec. Canadian Veterinary Journal 12: 207-210.

FREEMAN, R.S. 1962. Studies on the biology of *Taenia crassiceps* (Zeder, 1800) Rudolphi, 1810 (Cestoda). Canadian Journal of Zoology 40: 969-990.

FREEMAN, R.S., A. ADORJAN, AND D.H. PIMLOTT. 1961. Cestodes of wolves, coyotes, and coyote-dog hybrids in Ontario. Canadian Journal of Zoology 39: 527-532.

FRIMETH, J.P., AND H.P. ARAI. 1983. Some potential mosquito vectors of the canine heartworm, *Dirofilaria immitis*, in the Calgary region of southern Alberta. Canadian Journal of Zoology 61: 1156-1158.

GAJADHAR, A.A., J.P. CARON, AND J.R. ALLEN. 1985. Cryptosporidiosis in two foals. Canadian Veterinary Journal 26: 132-134.

GHADIRIAN, E., P. VIENS, H. STRYKOWSKI, AND F. DUBREUIL. 1976. Epidemiology of toxocariasis in the Montreal area. Canadian Journal of Public Health 67: 495-498.

GIBBS, H.C. 1964. Observations on an outbreak of clinical parasitism in ewes during the winter months. Canadian Veterinary Journal 5: 8-11.

GILLICK, A. 1972. Paragonimiasis in a dog. Canadian Veterinary Journal 13: 175-179.

GRAESSER, F.E. 1957. Lungworm disease of cattle in Alberta. Canadian Journal of Comparative Medicine 21: 355-358.

GREENWAY, J.A., AND P.H.G. STOCKDALE. 1970. A case tentatively diagnosed as *Filaroides milksi* in a dog. Canadian Veterinary Journal 11: 203-204.

GREGSON, J.D. 1935. The production of artificial conditions conducive to winter feeding of ticks. Proceedings of the B.C. Entomological Society (1935): 6-7.

1937. Notes on some phenomenal feeding in ticks. Proceedings of the B.C. Entomological Society (1937): 8-11.

1947. Feeding periods prerequisite to the mating of *Dermacentor andersoni*. Proceedings of the B.C. Entomological Society (1946) 43: 3-6.

1952. Further studies on tick paralysis. Proceedings of the B.C. Entomological Society 48: 54-58.

1953. Records of the tick *Otobius megnini* (Duges) from British Columbia (Acarina: Argasidae). Proceedings of the B.C. Entomological Society 49: 30.

1958a. Host susceptibility to paralysis by the tick *Dermacentor andersoni* Stiles (Acarina: Ixodidae). Canadian Entomologist 90: 421-424.

1958b. Recent cattle grub life-history studies at Kamloops, British Columbia, and Lethbridge, Alberta. 10th International Congress of Entomology 3, (1958): 725-734.

1958c. Tick paralysis in cattle in British Columbia in 1957. Proceedings of the B.C. Entomological Society 55: 6-7.

GRIFFITHS, H.J. 1937. Some observations on the overwintering of certain helminth parasites of sheep in Canada. Canadian Journal of Research 15: 156-162.

HADWEN, S. 1913. On "Tick Paralysis" in sheep and man following bites of *Dermacentor venustus*, with notes on the biology of the tick. Parasitology 6: 283-297.

HALL, R.R., AND McKIEL, J.A. 1961. Occurrences of

the American dog tick, *Dermacentor variabilis* (Say) in western Nova Scotia. Canadian Entomologist 93: 891-893.

HARVEY, R.V. 1907. British Columbia fleas. Bulletin of the Entomological Society of British Columbia No. 7.

HEARLE, E. 1933. Notes on a serious outbreak of tick paralysis in cattle. Proceedings of the B.C. Entomological Society (1933): 11-16.

1938. The ticks of British Columbia. Scientific Agriculture 18: 341-354.

HEWITT, C.G. 1915. A contribution to a knowledge of Canadian ticks. Transactions of the Royal Society of Canada 9(series 3): 225-239.

HOLLAND, G.P. 1940. Notes on the ecology of *Dermacentor andersoni* in southern Alberta. Proceedings of the B.C. Entomological Society 36: 11-12.

1984. The fleas of Canada, Alaska and Greenland (Siphonaptera). Memoirs of the Entomological Society of Canada No. 130. 631 pp.

HOPKINS, G.H.E. 1960. Notes on some Mallophaga from mammals. Bulletin of the British Museum of Natural History (Entomology) 10: 77-98.

HULLAND, T.J. 1956. Toxoplasmosis in Canada. Journal of the American Veterinary Medical Association 128: 74-79.

JARVIS, T.D. 1910. The Acarina, with a host index to the species found in Ontario. 40th Annual Report of the Entomological Society of Ontario 36: 82-109.

JOHNSTON, E.F., AND L.W. MacPHERSON. 1956. An outbreak of acute parasitic gastroenteritis in a herd of cattle in the Ottawa Valley. Canadian Journal of Comparative Medicine 20: 203-205.

JUDD, W.W. 1953. Mammal host records of Acarina and Insecta from the vicinity of London, Ontario. Journal of Mammalogy 34: 137-139.

1954. Some records of ectoparasitic Acarina and Insecta from mammals in Ontario. Journal of Parasitology 40: 483-484.

KENNEDY, M.J. 1983. A revision of North American species of the Genus *Parametorchis* Skrjabin, 1913 (Trematoda: Opisthorchiidae). Proceedings of the Helminthological Society of Washington 50: 312-317.

KENNEDY, M.J., R.A. KRALKA, AND M. SCHOONDERWOERD. 1984. First report of *Ollulanus tricuspis* (Nematoda) from western Canada. Journal of Parasitology 70: 319-320.

KRANTZ, G.W. 1978. A manual of Acarology. 2nd ed. Oregon University Book Store Inc. Corvallis. 509 pp.

LaRUE, G.R., AND A.M. FALLIS. 1934. *Alaria canis* n. sp. (Alaridae), a trematode parasite of the dog in northern Ontario. Journal of Parasitology 20: 335.

LEES, M.J., N. KLEIDER, AND T.J. TUDDENHAM. 1983. Cutaneous onchocerciasis in the horse: five cases in southwestern British Columbia. Canadian Veterinary Journal 24: 3-5.

LEVINE, N.D. (Chairman). 1980. A newly Revised Classification of the Protozoa. *By* The Committee on Systematics and Evolution of the Society of Protozoologists. Journal of Protozoology 27: 37-58.

LEWIS, JR., P.D. 1974. Presence of Dicrocoelium dendriticum (Rudolphi, 1819) (Trematoda: Dicrocoeliidae) in western Canada. Canadian Journal of Zoology 52: 662-663.

LITTLE, P.B. 1972. Cerebrospinal nematodiasis of Equidae. Journal of the American Veterinary Medical Association 160: 1407-1413.

LORD, L.H., AND J.K. McGREGOR. 1960. A case of *Strongyloides* dermatitis in Canada. Canadian Veterinary Journal 1: 111-114.

MACNAY, C.G. 1952. Summary of the more important insect infestations and occurrences in Canada in 1951. 82nd Annual Report of the Entomological Society of Ontario (1951). pp. 91-115.

1957. Summary of important insect infestations, occurrences and damage in Canada in 1957. Annual Report of the Entomological Society of Ontario (1957) 88: 63-78.

MADDY, K.T. 1955. Stephanofilarial dermatitis in cattle. The North American Veterinarian 36: 275-280.

MAHRT, J.J. 1969. Prevalence of coccidia in domestic sheep in central Alberta. Canadian Veterinary Journal 10: 176-178.

MALLOY, W.F., AND J.A. EMBIL. 1973. Prevalence of *Toxocara* sp. in dogs and cats in Halifax. Canadian Journal of Public Health 64: 84.

1978. Prevalence of *Toxocara* spp. and parasites in dogs and cats in Halifax, Nova Scotia. Canadian Journal of Comparative Medicine 42: 29-31.

MARCOUX, M., J.L. FRECHETTE, AND M. MORIN. 1977. Infection par *Onchocerca cervicalis* au Quebec: signes cliniques et methode de diagnostic. Canadian Veterinary Journal 18: 108-110.

MARGOLIS, L., AND J.R. ARTHUR. 1979. Synopsis of the Parasites of Fishes of Canada. Bulletin of the Fisheries Research Board of Canada No. 199. 269 pp.

MARTIN, L.J., H.C. GIBBS, AND J.W. PULLIN. 1974. Gastrointestinal parasites of swine in Quebec. I. An incidence survey. Canadian Veterinary Journal 15: 72-76.

McGREGOR, J.K., AND A.A. KINGSCOTE. 1957. A survey of gastro-intestinal helminths of cattle in Ontario. Canadian Journal of Comparative Medicine 21: 370-373.

McLEOD, J.A. 1967. *Dioctophyma renale* infections in Manitoba. Canadian Journal of Zoology 45: 505-508.

MONGEAU, N. 1961. Hepatic distomatosis and infectious canine hepatitis in northern Manitoba. Canadian Veterinary Journal 2: 33-38.

MOOLENBEEK, W.J., AND G.A. SURGEONER. 1980.

Southern Ontario survey of eyeworms, *Thelazia gulosa* and *Thelazia lacrymalis* in cattle and larvae of *Thelazia* spp. in the face fly, *Musca autumnalis*. Canadian Veterinary Journal 21: 50-52.

MOTEANE, M., D.M. MIDDLETON, AND L.R. POLLEY. 1979. A survey of disease conditions in adult and feeder sheep in Saskatchewan. Canadian Veterinary Journal 20: 2-7.

MOYNIHAN, I.W., AND I.W. MUSFELDT. 1949. A study of the incidence of trichinosis in swine in British Columbia. Canadian Journal of Comparative Medicine 13: 224-227.

NATION, P.N., AND K.H. DIES. 1978. *Capillaria hepatica* in a horse. Canadian Veterinary Journal 19: 315-316.

NELSON, W.A. 1952. A note on the presence of first-stage larvae of Gasterophilus intestinalis (Degeer) (Diptera: Gasterophilidae) in the mouth of the horse. Canadian Entomologist 84: 356.

NELSON, W.A., AND J. WEINTRAUB. 1972. *Hypoderma lineatum* (DeVill) (Diptera: Oestridae): Invasion of the bovine skin by newly hatched larvae. Journal of Parasitology 58: 614-624.

NIELSEN, S.W. 1955. Canine paragonimiasis. North American Veterinarian 36: 657-662.

NIILO, L. 1968. Bovine hemorrhagic filariasis in cattle imported into Canada. Canadian Veterinary Journal 9: 132-137.

NOWAK, R.M., AND J.L. PARADISO. 1983. Walker's Mammals of the World. 4th Edition, Vols. I and II. The Johns Hopkins University Press. Baltimore. 1362 pp. + XXV.

O'DONOGHUE, J.G. 1958. Clinical trials with Cyanacethydrazide for the treatment of lungworms in cattle and sheep. Canadian Journal of Comparative Medicine 22: 237-239.

OSLER, W. 1877. Verminous bronchitis in dogs. Veterinarian London 50: 387-397.

OSLER, W., AND A.W. CLEMENT. 1883. An investigation into the parasites in the pork supply of Montreal. 14 pp. Montreal Gazette Printing Co. 1883.

PALLISTER, E., AND P.J.G. PLUMMER. 1941. Multicystic hydatid in the liver of a hog. Canadian Journal of Comparative Medicine 5: 291-292.

POLLEY, L.R., P.E. MOSTERT. 1980. *Ascaris suum* in Saskatchewan pigs: an abattoir survey of prevalence and intensity of infection. Canadian Veterinary Journal 21: 307-309.

RANSOM, B.H., AND S. HADWEN. 1918. Horse strongyles in Canada. Journal of the American Veterinary Medical Association 6: 202-214.

RICH, G.B. 1952. A review of studies on the systemic control of livestock insect parasites. Proceedings of the B.C. Entomological Society 48: 58-59.

1957. The ear tick, *Otobius megnini* (Duges) (Acarina: Argasidae), and its record in British Columbia. Canadian Journal of Comparative Medicine 21: 415-418.

SANFORD, S.E., and G.K.A. JOSEPHSON. 1982. Bovine cryptosporidiosis: Clinical and pathological findings in forty-two scouring neonatal calves. Canadian Veterinary Journal 23: 343-347.

SAUNDERS, L.G. 1949. A survey of helminth and protozoan incidence in man and dogs at Fort Chipewyan, Alberta. Journal of Parasitology 35: 31-34.

SAUVAGEAU, R., AND J.L. FRECHETTE. 1980. Ascaridiose hepatique chez un agneau. Canadian Veterinary Journal 21: 66.

SCHMIDT, G.D. 1986. CRC Handbook of Tapeworm Identification. 688 pp.

SCHOLTEN, T.H., K. RONALD, and D.M. MCLEAN. 1962. Parasite fauna of the Manitoulin Island Region. Canadian Journal of Zoology 40: 605-606.

SEAH, S.K.K., G. HUCAL, AND C. LAW. 1975. Dogs and intestinal parasites: a public health problem. Canadian Medical Association Journal 112: 1191-1194.

SLOCOMBE, J.O.D. 1970. *Ostertagia trifurcata* (Nematoda: Trichostrongylidae) in cattle in Canada. Canadian Journal of Zoology 48: 1143-1144.

1973a. Parasitisms in domesticated animals in Ontario. I. Ontario Veterinary College Records 1965-1970. Canadian Veterinary Journal 14: 36-42.

1973b. Gastrointestinal parasites in cattle in Ontario. Canadian Veterinary Journal 14: 91-95.

1973c. Morphological types in *Haemonchus contortus* (Nematoda) populations in Ontario sheep. Canadian Journal of Zoology 51: 1161-1163.

1974. Abomasal nematodes in cattle in Ontario. Canadian Journal of Comparative Medicine 38: 18-21.

SLOCOMBE, J.O.D., AND B.M. McCRAW. 1973. Gastrointestinal nematodes in horses in Ontario. Canadian Veterinary Journal 14: 101-105.

SMITH, F.R., AND W. THRELFALL. 1973. Helminths of some mammals from Newfoundland. American Midland Naturalist 90: 215-218.

SMITH, H.J. 1961. Bovine demodicidosis. I. Incidence in Ontario. Canadian Journal of Comparative Medicine 25: 165-169.

1970. On the development of gastrointestinal parasitisms in bovine yearlings. Canadian Journal of Comparative Medicine 34: 303-308.

1976a. Strongyle infections in ponies. I. Response to intermittent thiabendazole treatments. Canadian Journal of Comparative Medicine 40: 327-333.

1976b. Strongyle infections in ponies. II. Reinfection of treated animals. Canadian Journal of Comparative Medicine 40: 334-340.

1979a. Transmission of *Oesophagostomum* species in swine on pasture in the Maritime provinces. Canadian Veterinary Journal 20: 184-185.

1979b. *Probstmayria vivipara* pinworms in ponies. Canadian Journal of Comparative Medicine 43: 341-342.

SMITH, H.J., AND R. McG. ARCHIBALD. 1965. The overwinter survival of ovine gastrointestinal parasites in the Maritime Provinces. Canadian Veterinary Journal 6: 257-267

1968. The effects of age and previous infection on the development of gastrointestinal parasitisms in cattle. Canadian Journal of Comparative Medicine 32: 511-517.

SMITH, H.J., A.B. HAWKES. 1978. Kidney worm infection in feral pigs in Canada with transmission to domestic swine. Canadian Veterinary Journal 19: 40-43.

SMITH, H.J., AND J.P. PERREAULT. 1972. A type II ostertagiasis outbreak in cattle in New Brunswick. Canadian Veterinary Journal 13: 114-117.

SOEHL, H. 1984. *Cysticercus ovis* in Nova Scotia. Communication, Food Production and Inspection Branch, Agriculture Canada 2: 7-9.

SPENCER, G.J. 1936. A check list of the fleas of British Columbia with a note on fleas in relation to sawdust in homes. Proceedings of the B.C. Entomological Society 32: 11-17.

1938. Ectoparasites of birds and mammals of British Columbia. II. A preliminary list of the Pupipara, louse flies. Proceedings of the B.C. Entomological Society 34: 39-45.

1939. Ectoparasites of birds and mammals in British Columbia. V. Parasites of domestic animals (Mammals). Proceedings of the B.C. Entomological Society 35: 19-23.

1940. Ectoparasites of birds and mammals in British Columbia. VI. A preliminary list of parasitic mites. Proceedings of the B.C. Entomological Society (1940): 14-18.

1960. The brown dog-tick, *Rhipicephalus sanguineus* (Latr.) in Vancouver. Proceedings of the B.C. Entomological Society 57: 64-65.

1966. Anoplura from British Columbia and some adjacent areas. Journal of the Entomological Society of British Columbia 63: 23-30.

STOCKDALE, P.H.G., G.K. ASHTON, M.A. HOWES, AND E. EWERT. 1973. Hyostrongylosis in Ontario. Canadian Veterinary Journal 14: 265-268.

STOCKDALE, P.H.G., AND J.P. LAUTENSLAGER. 1973. Unusual gastric nematodes of swine in Ontario. Canadian Veterinary Journal 14: 215-216.

SWALES, W.E. 1933a. A Review of Canadian Helminthology. I. The present status of knowledge of the helminth parasites of domesticated and semidomesticated mammals and economically important birds in Canada, as determined from work published prior to 1933. Canadian Journal of Research 8: 468-477.

1933b. A review of Canadian Helminthology. II. Additions to part I, as determined from a study of parasitic helminths collected in Canada. Canadian Journal of Research 8: 478-482.

1939. Tests of Phenothiazine, a highly efficient anthelmintic. On a means of administration and the indicated uses for the control of parasitic diseases of sheep. Canadian Journal of Comparative Medicine 3: 188-194.

1940a. The helminth parasites and parasitic diseases of sheep in Canada. I. A survey and some preliminary studies on existing problems. Canadian Journal of Research 18: 29-48.

1940b. The helminth parasites and parasitic diseases of sheep in Canada. II. Notes on the effect of winter upon the free-living stages of nematode parasites of sheep on the pastures in Eastern Canada. Canadian Journal of Comparative Medicine and Veterinary Science 4: 155-161.

SWALES, W.E., AND L. CHOQUETTE. 1940. Diagnostic et traitement des maladies parasitaires du mouton dans la province de Quebec. Canadian Journal of Comparative Medicine 4: 292-294.

SWALES, W.E., P.E. SYLVESTRE, AND S.B. WILLIAMS. 1942. Field trials of control measures for parasitic diseases of sheep. Canadian Journal of Research 20: 115-132.

SWEATMAN, G.K. 1958. Biology of *Otodectes cynotis*, the ear canker mite of carnivores. Canadian Journal of Zoology 36: 849-862.

SWEATMAN, G.K., AND P.J.G. PLUMMER. 1957. The biology and pathology of the tapeworm *Taenia hydatigena* in domestic and wild hosts. Canadian Journal of Zoology 35: 93-109.

TAILYOUR, J.M., AND J.R. STEELE. 1960. Trichinella infection in swine in the Vancouver area. Canadian Journal of Public Health 51: 309.

TESKEY, H.J. 1960. Survey of insects affecting livestock in southwestern Ontario. Canadian Entomologist 92: 531-544.

THOMPSON, G.B. 1934. Records of Siphunculata and Mallophaga from Canadian hosts. Canadian Entomologist 66: 279-281.

THRELFALL, W. 1969. Further records of helminths from Newfoundland mammals. Canadian Journal of Zoology 47: 197-201.

TYRRELL, J.B. 1883. On the occurrence in Canada of two species of parasitic mites. Proceedings of the Canadian Institute 1: 332-342.

UNRUH, D.H.A., J.E. KING, R.D.P. EATON, AND J.R. ALLEN. 1973. Parasites of dogs from Indian settlements in northwestern Canada: A survey with Public Health Implications. Canadian Journal of Comparative Medicine 37: 25-32.

WARDLE, R.A., AND E.L. McCOLL. 1937. The taxonomy of *Diphyllobothrium latum* (Linne, 1758) in Western Canada. Canadian Journal of Research 15: 163-175.

WATSON, E.A., AND S. HADWEN. 1912. Trypanosomes found in Canadian mammals. Parasitology 5: 21-26.

WATSON, T.G. 1981. Growth of *Metorchis conjunctus* (Cobbold, 1860) Looss, 1899 (Trematoda: Opisthorchiidae) in the bile ducts of various definitive hosts. Canadian Journal of Zoology 59: 2014-2019.

WEBSTER, G.A. 1958. On prenatal infection and the migration of *Toxocara canis* Werner, 1782, in dogs. Canadian Journal of Zoology 36: 435-440.

WEBSTER, W.A., and D.B. WILKINS. 1970. The recovery of *Parafilaria bovicola* Tubangui, 1934 from an imported Charolais bull. Canadian Veterinary Journal 11: 13-14.

WEBSTER, W.A., T.W. DUKES, AND A. BUNDZA. 1977. Onchocerciasis (Nematoda: Filariodea) in bovine leg joints. Canadian Journal of Zoology 55: 1067-1070.

WEBSTER, W.A., AND T.W. DUKES. 1979. Bovine and equine onchocerciasis in eastern North America with a discussion on cuticular morphology of *Onchocerca* sp. in cattle. Canadian Journal of Comparative Medicine 43: 330-332.

WEBSTER, W.A., R.R. MacKAY. 1969. Two new host records for *Nematodirus* species. Canadian Journal of Zoology 47: 1411.

WEINTRAUB, J. 1952. A preliminary report on acaricides tested for protection against the tick *Dermacentor andersoni* Stiles on cattle. Proceedings of the B.C. Entomological Society 48: 51-54.

WHITEHEAD, W.E. 1934. Records of some Quebec Mallophaga and Anoplura. Report of the Quebec Society for the Protection of Plants 26: 84-87.

WILKINSON, P.R. 1968. Phenology, behavior, and host-relations of *Dermacentor andersoni* Stiles in outdoor "rodentaria," and in nature. Canadian Journal of Zoology 46: 677-689.

1972. Sites of attachment of 'prairie' and 'montane' *Dermacentor andersoni* (Acarina: Ixodidae) on cattle. Journal of Medical Entomology 9: 133-137.

1981. The proportion of immature stages of the Rocky Mountain wood tick (*Dermacentor andersoni*) feeding on artificially infested cattle. Journal of the Entomological Society of B.C. 78: 38-42.

1982. The potential for selection of cattle resistant to tick paralysis and attachment of Rocky Mountain wood ticks. Agriculture Canada, Research Highlights 1981 pp. 25-28, Lethbridge, Alberta.

WILKINSON, P.R., AND J.E. LAWSON. 1965. Differences of sites of attachment of *Dermacentor andersoni* Stiles to cattle in southeastern Alberta and in south central British Columbia, in relation to possible existence of genetically different strains of ticks. Canadian Journal of Zoology 43: 408-411.

WITTNICH, C. 1976. *Entamoeba histolytica* infections in a german shepherd dog. Canadian Veterinary Journal 17: 259-263.

WOBESER, G.A. 1971. The occurrence of *Echinococcus multilocularis* (Leuckart, 1863) in cats near Saskatoon, Saskatchewan. Canadian Veterinary Journal 12: 65-68.

WOO, P., M.A. SOLTYS, AND A.C. GILLICK. 1970. Trypanosomes in cattle in Southern Ontario. Canadian Journal of Comparative Medicine 34: 142-147.

WRIGHT, B. 1979. Mites, ticks, fleas, and lice in the Nova Scotia Museum and Acadia University Museum collections. Science 29: 185-196.

Supplementary Readings

ALLEN, J.A., AND A.B. WICKWARE. 1922. A preliminary note on parasites infesting domesticated silver black foxes in Canada. Parasitology 14: 27-28.

ANON. 1931. A note on *Parametorchis canadensis* (Law) from Ontario mink. Report of the Ontario Veterinary College for 1930: 39.

1948. Liver fluke control in the Burwash area. Report of the Ontario Veterinary College (for 1947): 49-51.

1950. Survey to ascertain the geographical distribution of the large American liver fluke (*Fascioloides magna*) in Ontario. Report of the Ontario Veterinary College for 1949: 35.

ARTHUR, D.R., AND K.R. SNOW. 1968. *Ixodes pacificus* Cooley and Kohls, 1943: Its life-history and occurrence. Parasitology 58: 893-906.

BATT, H.E. 1926. Internal parasites in foxes. Fur TradeJournal of Canada 3: 7.

BECKLUND, W.W. 1964. Revised check list of internal and external parasites of domestic animals in the United States and possessions and in Canada. American Journal of Veterinary Research 25: 1380-1446.

BROWN, J.H. 1955. Colorado tick fever in Alberta. Canadian Journal of Zoology 33: 389-390.

BRUCE, E.A. 1920. Information for farmers and ranchers regarding tick paralysis in British Columbia. Dominion of Canada, Department of Agriculture, Bulletin No. 133. 7 pp.

CAMERON, A.E. 1923. Notes on buffalo: anatomy, pathological conditions, and parasites. The Veterinary Journal 79: 331-336.

1924. Some further notes on buffalo. The Veterinary Journal 80: 413-417.

CAMERON, T.W.M. 1933. The important helminth parasites of stock in the British Empire. British Veterinary Journal 89: 505-514.

1944. The morphology, taxonomy, and life history of *Metorchis conjunctus* (Cobbold, 1860). Canadian Journal of Research 22: 6-16.

CAMPBELL, D.J. 1960. Parasitic gastro-enteritis of sheep. Canadian Veterinary Journal 1: 151-156.

COGLEY, T.P., J.R. ANDERSON, AND J. WEINTRAUB. 1981. Ultrastructure and function of the attachment organ of warble fly eggs (Diptera: Oestridae, Hypodermatinae). International Journal of Insect Morphology and Embryology 10: 7-18.

CURTIS, L.C. 1959. Control of the Rocky Mountain wood tick, *Dermacentor andersoni* Stiles (Acarina: Ixodidae), with ground sprays of Dieldrin and Heptachlor. Proceedings of the B.C. Entomological Society 56: 13-15.

FRIEND, S.C.E., and P.H.G. STOCKDALE. 1980. Experimental *Eimeria bovis* infection in calves: a histopathological study. Canadian Journal of Comparative Medicine: 44: 129-140

GADBOIS, P., J.L. FRECHETTE, A. VILLENEUVE, AND B.I. GROVES. 1985. A new approach in the prevention of gastrointestinal parasitic infections in cattle. Canadian Veterinary Journal 26: 127-131.

GAJADHAR, A.A., J.P. CARON, AND J.R. ALLEN. 1985. Cryptosporidiosis in two foals. Canadian Veterinary Journal 26: 132-134.

GOODING, R.H., AND J. WEINTRAUB. 1960. The genitalia of *Hypoderma bovis* (L.) and *H. lineatum* (De Vill.) (Diptera: Oestridae). Canadian Journal of Zoology 38: 565-574.

GREGSON, J.D. 1936. Studies on the rate of tick feeding in relation to disease. Proceedings of the B.C. Entomological Society (1936): 15-21.

1940. The discovery of an ixovotoxin in *Dermacentor andersoni* eggs. Proceedings of the B.C. Entomological Society (1940): 9-10.

1942a. The coast tick (*Ixodes californicus* Banks) problem in British Columbia. Canadian Entomologist 74: 3-5.

1942b. Notes on the laboratory rearing of some Canadian ticks. Proceedings of the B.C. Entomological Society (1942): 32-35.

1943. The enigma of tick paralysis. Proceedings of the B.C. Entomological Society (1943) 40: 19-23.

1951. Notes on the spring activity of the Rocky Mountain wood tick, *Dermacentor andersoni* Stiles (Acarini: Ixodidae). Proceedings of the B.C. Entomological Society 47: 4-7.

GREGSON, J.D., AND G.P. HOLLAND. 1944. Devices for charting and obtaining naturally emerged cattle warbles (Diptera: Oestridae). Proceedings of the B.C. Entomological Society (1944) 41: 31-33.

HADWEN, S. 1914. Notes on the life-histories of blood-sucking Diptera of British Columbia, with special reference to the Tabanidae. Proceedings of the B.C. Entomological Society (1914): 46-49.

HEARLE, E. 1938. Insects and allied parasites injurious to livestock and poultry in Canada. Canadian Department of Agriculture Publicate 604 (Farmers Bulletin 53).

HOLLAND, G.P. 1939. Notes on the ecology of *Dermacentor andersoni* in southern Alberta. Proceedings of the B.C. Entomological Society (1939) 8-11.

KENNEDY, A.H. 1950. *Paragonimus* infection in a ranch-raised fox. Report of the Ontario Veterinary College for 1949: 132-137.

KINGSCOTE, A.A. 1930. A case of paragonimiasis in the Ontario domestic fox. Report of the Ontario Veterinary College, p. 40.

1932. A case of *Paragonimus kellicotti* (lung-fluke) infestation in ranch-raised mink. Report of the Ontario Veterinary College for 1931: 62.

1938. Common parasites of Canadian animals. Canadian Journal of Comparative Medicine 2: 47-55.

1953. Internal parasites of swine. Ontario Department of Agriculture Bulletin No. 496. 36 pp. Toronto, Canada.

LAW, R.G. 1930. The mink in captivity. Ontario Department of Game Fish Bulletin 3: 1-23 (see p. 12-18).

LAW, R.G., AND A.C. SECORD. 1931. Control of lung worm in silver foxes. North American Veterinarian 12: 42-44.

LINDQUIST, E.E. 1979. 12. Acari pp. 252-290. In H.V. Danks (ed.). *Canada and its Insect Fauna*. Memoirs of the Entomological Society of Canada 108. 573 pp.

LUBINSKY, G. 1958. On the 12-hooked oncospheres of Canadian strains of *Echinococcus*. Canadian Journal of Zoology 36: 883-887.

MAIL, G.A. 1942. Tick control with special reference to *Dermacentor andersoni* Stiles. Canadian Journal of Agriculture Science 23: 59-67.

MARSH, H. 1952. Disease problems in range livestock. Canadian Journal of Comparative Medicine 16: 89-96.

McALLISTER, R.A. 1964. An outbreak of Toxoplasmosis in an Ontario chinchilla herd. Canadian Journal of Comparative Medicine 28: 53-56.

McCRAW, B.M. 1951. Some aquatic snails of Ontario and their relation to the possible occurrence of trematode diseases: a preliminary report. Report of the Ontario Veterinary College for 1950: 128-139.

McGREGOR, J.K., AND D.C. MAPLESDEN. 1955. Gastro-intestinal helminthiasis of sheep. A commentary and case report. Canadian Journal of Comparative Medicine 19: 129-131.

MOILLIET, T.K. 1936. A review of tick paralysis in cattle in British Columbia with mites in several cases. Proceedings of the B.C. Entomological Society (1936): 35-39.

1937. A review of tick paralysis in cattle in British Columbia. Proceedings of the B.C. Entomological Society 33: 35-39.

NELSON, W.A., AND J. WEINTRAUB. 1972. *Hypoderma lineatum* (De Vill.) (Diptera: Oestridae): invasion of the bovine skin by newly hatched larvae. Journal of Parasitology 58: 614-624.

NIILO, T. 1970. Bovine coccidiosis in Canada. Canadian Veterinary Journal 11: 91-98.

OLIVER, J.H. JR., P.R. WILKINSON, AND G.M. KOHLS. 1972. Observations on hybridization of three species of North American *Dermacentor* ticks. Journal of Parasitology 58: 380-384.

PARNELL, I.W. 1934. Studies on the bionomics and control of the bursate nematodes of horses and sheep. I. The effect of urine on the eggs and larvae in the feces. Canadian Journal of Research: 532-538.

PULLIN, J.W. 1961. A discussion of the common diseases of sheep. Canadian Veterinary Journal 2: 359-368.

RAPSEY, G.H., AND R.G. LAW. 1928. Liver fluke in Mink. The Black Fox Magazine 12: 10.

SCHILLHORN VAN VEEN, T.W. 1982. *Fasciola* cercariae in Quebec. Canadian Veterinary Journal 23: 163.

SLOCOMBE, J.O.D. 1978. Heartworm in dogs in Canada in 1977. Canadian Veterinary Journal 19: 244-247.

SLOCOMBE, J.O.D., AND I. McMILLAN. 1979. Heartworm in dogs in Canada in 1978. Canadian Veterinary Journal 20: 284-289.

1980. Heartworm in dogs in Canada in 1979. Canadian Veterinary Journal 21: 159-161.

1981. Heartworm in dogs in Canada in 1980. Canadian Veterinary Journal 22: 201-203.

1982. Heartworm in dogs in Canada in 1981. Canadian Veterinary Journal 23: 219-221.

1983. Heartworm in dogs in Canada in 1982. Canadian Veterinary Journal 24: 227-229.

1984. Heartworm in dogs in Canada in 1984. Canadian Veterinary Journal 26: 323-327.

SPENCER, G.J. 1952. The 1951 status knowledge of the insects of British Columbia. Proceedings of the B.C. Entomological Society 48: 36-41.
1958. On the reproductive potential of the sheep nostril fly *Oestrus ovis L.* (Diptera: Oestridae). Proceedings of the B.C. Entomological Society 55: 25-26.

STOCKDALE, P.H.G. 1977. The pathogenesis of the lesions produced by *Eimeria zuernii* in calves. Canadian Journal of Comparative Medicine 41: 338-344.

STOCKDALE, P.H.G., A.R. BAINBOROUGH, C.B. BAILEY, and L. NIILO. 1981. Some pathophysiological changes associated with infection of *Eimeria zuernii* in calves. Canadian Journal of Comparative Medicine 45: 34-37.

STOCKDALE, P.H.G., and L. NIILO. 1976. Production of bovine coccidiosis with *Eimeria zuernii*. Canadian Veterinary Journal 17: 35-37.

STRICKLAND, E.H. 1949. *Wohlfahrtia* (Diptera, Metopiidae) myiasis of mink in Alberta. Canadian Entomologist 81: 58-60.

SWALES, W.E. 1939. Notes on the diagnosis and treatment of parasitic diseases of sheep in Canada. Canadian Journal of Comparative Medicine 3: 341-344.

1940. Further experiments on the use of phenothiazine as an anthelmintic for sheep. Canadian Journal of Research 18: 266-271.

SWEATMAN, G.K., AND T.C. HENSHALL. 1962. The comparative biology and morphology of *Taenia ovis* and *Taenia krabbei*, with observations on the development of *T. ovis* in domestic animals. Canadian Journal of Zoology 40: 1287-1311.

TAILYOUR, J.M., AND M.J. HAMPTON. 1954. A check on the incidence of trichinosis in swine on six piggeries in British Columbia. Canadian Journal of Comparative Medicine 18: 311-312.

TYRRELL, J.B. 1883. On the occurrence in Canada of two species of parasitic mites. Proceedings of the Canadian Institute 1: 332-342.

WEBSTER, G.A. 1958. A report on *Toxocara canis* Werner, 1782. Canadian Journal of Comparative Medicine 22: 272-279.

WHITNEY, H., A. VILLENEUVE, J.L. FRECHETTE, AND B. PINEL-ALLOUL. 1981. Intermediary hosts for *Fasciola hepatica* identified in Quebec. Canadian Veterinary Journal 22: 334.

WICKWARE, A.B. 1923. Parasites of the silver-black fox. Canadian Veterinary Record 4: 128-129.

WILKINSON, P.R. 1967. The distribution of *Dermacentor* ticks in Canada in relation to bioclimatic zones. Canadian Journal of Zoology 45: 517-537.

WILLSON, P.J., and S.D. ACRES. 1982. A comparison of dichromate solution floatation and fecal smears for diagnosis of cryptosporidiosis in calves. Canadian Veterinary Journal 23: 240-246.

WOOLFGANG, R.W., AND J.B. POOLE. 1956. Distribution of *Echinococcus* disease in Northwestern Canada. American Journal of Tropical Medicine and Hygiene 5: 869-871.

YANG, Y.H., AND H.C. GRICE. 1964. *Klossiella muris* parasitism in laboratory mice. Canadian Journal of Comparative Medicine 28: 63-66.

Host Index

Artiodactyla 23

Bos taurus 23
Bovidae 23

Canidae 25
Canis familiaris 25
Capra hircus 24
Carnivora 25
Cat 26

Dog 25

Equidae 27
Equus caballus 27
Eutheria 23

Felidae 26
Felis catus 26

Goat 24

Horse 27

Mammalia 23

Ovis aries 24
Ox 23

Perissodactyla 27
Pig 25

Sheep 24
Suidae 25
Sus scrofa 25

Parasite Index

Acanthocephala 17
Acari 18
Acaridida 18
Acariformes 18
Actinedida 18
Adenophorea 7
Aelurostrongylus spp. 12
Alaria arisaemoides 4
Alaria canis 4
Alaria spp. 4
Alfortia edentatus
see *Strongylus edentatus* 14
Alfortia spp.
see *Strongylus* spp. 14
Amoebida 3
Ancylostomatidae 11
Ancylostomatidae (unidentified) 11
Ancylostomatoidea 11
Ancylostomum caninum 11
Ancylostomum spp. 11
Angiostrongylidae 12
Animalia 1
Anoplocephala magna 5
Anoplocephala mamillana
see *Paranoplocephala mamillana* 5
Anoplocephala perfoliata 5
Anoplocephala spp. 5
Anoplocephalidae 5
Apicomplexa 1
Arachnida 18
Archiacanthocephala 17
Argasidae 18
Ascaridida 8
Ascarididae 8
Ascaridoidea 8
Ascaris lumbricoides 8
Ascaris suum 8
Ascaris spp. 8
Ascarops spp. 11
Atractidae 9

Balantidium spp. 2
Belascaris mystax
see *Toxocara cati* 9
Bovicola bovis
see *Damalinia bovis* 21
Bovicola caprae
see *Damalinia caprae* 21
Bunostomum phlebotomum 11
Bunostomum trigonocephalum 11
Bunostomum spp. 11

Calicophoron microbothrioides 4
Calliphora spp. 20
Calliphoridae 20
Calliphoridae (unidentified) 20
Capillaria aerophila 7
Capillaria hepatica 7
Capillaria longipes 7
Capillaria spp. 7
Ceratophyllidae 21
Cestoidea 5
Cestoidea gen. spp. 7
Chabertia ovina 12
Chabertia spp. 12
Chabertiidae 12
Chelicerata 18
Cheyletidae 18
Cheyletiella spp. 18
Chorioptes bovis 18
Ciliophora 2
Citellinema bifurcatum 15
Cooperia curticei 16
Cooperia oncophora 16
Cooperia punctata 16
Cooperia spp. 16
Corynosoma semerme 17
Cosmocercoidea 9
Crenosoma vulpis 12
Crenosomatidae 12
Cryptocotyle lingua 4
Cryptosporidium spp. 1
Ctenocephalides canis 21
Ctenocephalides felis 21

Ctenocephalides felis felis 21
Ctenocephalides spp. 21
Cuterebra spp. 20
Cuterebridae 20
Cyathostoma spp. 15
Cyathostomum catinatum 13
Cyathostomum coronatum 13
Cyathostomum labiatum 13
Cyathostomum labratum 13
Cyclophyllidea 5
Cylicocyclus elongatus 13
Cylicocyclus insigne 13
Cylicocyclus nassatus 13
Cylicocyclus radiatus 13
Cylicodontophorus bicornatus 13
Cylicostephanus calicatus 13
Cylicostephanus goldi 14
Cylicostephanus poculatus 14
Cylicostomum bicornatum
see *Cylicodontophorus bicornatus* 13
Cylicostomum calicatum
see *Cylicostephanus calicatus* 13
Cylicostomum catinatum
see *Cyathostomum catinatum* 13
Cylicostomum coronatum
see *Cyathostomum coronatum* 13
Cylicostomum elongatum
see *Cylicocyclus elongatus* 13
Cylicostomum goldi
see *Cylicostephanus goldi* 14
Cylicostomum insigne
see *Cylicocyclus insigne* 13
Cylicostomum labiatum
see *Cyathostomum labiatum* 13
Cylicostomum labratum
see *Cyathostomum labratum* 13
Cylicostomum nassatum
see *Cylicocyclus nassatus* 13
Cylicostomum poculatum
see *Cylicostephanus poculatus* 14
Cylicostomum radiatum
see *Cylicocyclus radiatus* 13
Cysticercus bovis 6
Cysticercus cellulosae 6
Cysticercus ovis 6
Cysticercus tenuicollis 6

Damalinia bovis 21
Damalinia caprae 21
Damalinia equi 21
Damalinia limbata 21
Damalinia spp. 21
Delafondia vulgaris
see *Strongylus vulgaris* 14
Demodex bovis 18
Demodex phylloides 18
Demodex spp. 18
Demodicidae 18
Dermacentor albipictus 19
Dermacentor andersoni 19
Dermacentor erraticus var. *albipictus*
see *Dermacentor albipictus* 19
Dermacentor variabilis 19
Dermacentor venustus
see *Dermacentor andersoni* 19
Dermacentor spp. 19
Dermanyssidae 18
Dicrocoeliidae 4
Dicrocoelium dendriticum 4
Dicrocoelium lanceolatum
see *Dicrocoelium dendriticum* 4
Dictyocaulidae 15
Dictyocaulus arnfieldi 15
Dictyocaulus filaria 15
Dictyocaulus viviparus 15
Dictyocaulus spp. 15
Digenea 4
Digenea gen. spp. 5
Dilepididae 5
Dioctophyma renale 7
Dioctophymatidae 7
Dioctophymatoidea 7
Dipetalonema spp. 10
Diphyllobothriidae 7
Diphyllobothrium dendriticum 7
Diphyllobothrium latum 7
Diphyllobothrium spp. 7
Diplomonadida 3
Diplostomidae 4
Diptera 20
Diptera (unidentified) 21
Dipylidium caninum 5
Dipylidium spp. 6
Dirofilaria immitis 10
Dirofilaria spp. 10
Dracunculidae 10
Dracunculoidea 10
Dracunculus insignis 10

Echinococcus granulosus 6
Echinococcus multilocularis 6
Echinococcus spp. 6
Eimeria ahsata 1
Eimeria alabamensis 1
Eimeria arloingi 1
Eimeria aubernensis 1
Eimeria bovis 1
Eimeria bukidnonensis 1
Eimeria canadensis 1
Eimeria canis 1
Eimeria crandallis 1
Eimeria cylindrica 1
Eimeria dublieki 1
Eimeria ellipsoidalis 1
Eimeria faurei 1
Eimeria granulosa 1
Eimeria intricata 1
Eimeria leuckarti 2
Eimeria ninakohlyakimovae 2
Eimeria pallida 2
Eimeria parva 2
Eimeria punctata 2
Eimeria wyomingensis 2
Eimeria spp. 2

Eimeriina 1
Endolimax nana 3
Enoplida 7
Entamoeba blattae 3
Entamoeba coli 3
Entamoeba histolytica 3
Eucestoda 5
Eucoccidiida 1
Eucoccidiida (unidentified) 2
Eumetazoa 4

Fasciola hepatica 4
Fasciolidae 4
Fascioloides magna 4
Felicola subrostratus 21
Filarioidea 10
Filaroides milksi 12
Filaroides spp. 12
Filariidae 10
Filaroididae 12

Gamasida 18
Gasterophilidae 20
Gasterophilus intestinalis 20
Gasterophilus nasalis 20
Gasterophilus spp. 20
Giardia canis 3
Giardia spp. 3
Gongylonema pulchrum 11
Gongylonematidae 11
Gyalocephalus capitatus 14
Gyalocephalus spp. 14

Habronema majus 10
Habronema microstoma
see *Habronema majus* 10
Habronema muscae 10
Habronema spp. 10
Habronematidae 10
Habronematoidea 10
Haemaphysalis cinnabarina 19
Haemaphysalis leporis-palustris 19
Haematopinidae 22
Haematopinus asini 22
Haematopinus eurysternus 22
Haematopinus suis 22
Haematopinus spp. 22
Haemonchus contortus 16
Haemonchus spp. 16
Heligmosomidae 15
Heterophyidae 4
Hexamitidae 3
Hippobosidae 20
Hyostrongylus rubidus 16
Hyostrongylus spp. 16
Hypoderma bovis 20
Hypoderma lineatum 20
Hypoderma spp. 20
Hyostrongylus rubidus 16
Hyostrongylus spp. 16
Hystrichopsyllidae 21

Insecta 20

Ischnocera 21
Isospora bigemina 2
Isospora felis 2
Isospora rivolta 2
Isospora spp. 2
Ixodes cookei 19
Ixodes hexagonus var. *cookei*
see *Ixodes cookei* 19
Ixodes ricinus 19
Ixodes ricinus var. *scapularis*
see *Ixodes* spp. 19
Ixodida 18
Ixodidae 19

Kinetofragminophorea 2
Kinetoplastida 3
Klossiella equi 1

Lice (unidentified) 22
Linognathidae 22
Linognathus pedalis 22
Linognathus piliferus
see *Linognathus setosus* 22
Linognathus setosus 22
Linognathus stenopsis 22
Linognathus vituli 22
Linognathus spp. 22
Lobosea 3
Lucilia illustris 20
Lucilia sericata 20

Macracanthorhynchus hirudinaceus 17
Mallophaga 21
Mastigophora 3
Melophagus ovinus 20
Metastrongylidae 12
Metastrongyloidea 12
Metastrongylus elongatus
see *Metastrongylus salmi* 12
Metastrongylus pudendotectus 12
Metastrongylus salmi 12
Metastrongylus spp. 12
Metorchis conjunctus 4
Metorchis spp. 4
Molineidae 15
Moniezia benedeni 5
Moniezia expansa 5
Moniezia spp. 5
Monodontus phlebotomus
see *Bunostomum phlebotomum* 11
Monodontus trigonocephalus
see *Bunostomum trigonocephalum* 11
Monodontus spp.
see *Bunostomum* spp. 11
Monopsyllus vison 21
Muellerius capillaris 12
Muellerius spp. 12
Multiceps spp. 6

Nemathelminthes 7
Nematoda 7
Nematoda (unidentified) 17

Nematodirus abnormalis 15
Nematodirus filicollis 15
Nematodirus helvetianus 15
Nematodirus spathiger 15
Nematodirus spp. 16
Notoedres spp. 18

Oesophagodontus robustus 14
Oesophagodontus spp. 14
Oesophagostomum columbianum 12
Oesophagostomum dentatum 12
Oesophagostomum quadrispinulatum 12
Oesophagostomum radiatum 13
Oesophagostomum venulosum 13
Oesophagostomum spp. 13
Oestridae 20
Oestrus ovis 21
Oligacanthorhynchida 17
Oligacanthorhynchidae 17
Ollulanus tricuspis 16
Onchocerca cervicalis 10
Onchocerca gutturosa 10
Onchocerca lienalis 10
Onchocerca spp. 10
Onchocercidae 10
Opisthorchidae 4
Oslerus osleri 12
Ostertagia circumcincta 16
Ostertagia lyrata 16
Ostertagia ostertagi 17
Ostertagia trifurcata 17
Ostertagia spp. 17
Otobius lagophilus 18
Otobius megnini 19
Otobius spp. 19
Otodectes cynotis 18
Otodectes cynotis var. *canis* 18
Otodectes cynotis var. *felis* 18
Oxyurida 9
Oxyuridae 9
Oxyuris equi 9
Oxyuris spp. 9
Oxyuroidea 9

Palaeacanthocephala 17
Parafilaria bovicola 10
Paragonimus kellicotti 5
Paragonimus spp. 5
Parametorchis complexus 4
Parametorchis manitobensis
see *Parametorchis complexus* 4
Paramphistomidae 4
Paramphistomum liorchis 4
Paramphistomum microbothrioides
see *Calicophoron microbothrioides* 4
Paramphistomum spp. 4
Paranoplocephala mamillana 5
Parascaris equorum 8
Parascaris spp. 8
Parasitiformes 18
Parelaphostrongylus tenuis 12
Pelodera strongyloides 9

Petrovinema poculatum
see *Cylicostephanus poculatus* 14
Phaenicia sericata
see *Lucilia sericata* 20
Phormia regina 20
Phormia terranovae 20
Physaloptera rara 10
Physalopteridae 10
Physalopteroidea 10
Physocephalus spp. 11
Plagiorchiidae 5
Plagiorchis massino 5
Platyhelminthes 4
Pneumonyssus spp. 18
Pneumostrongylus tenuis
see *Parelaphostrongylus tenuis* 12
Polymorphida 17
Polymorphidae 17
Poteriostomum spp. 14
Probstmayria vivipara 9
Protophormia terranovae
see *Phormia terranovae* 20
Protostrongylidae 12
Protostrongylus spp. 12
Protozoa 1
Pseudophyllidea 7
Psoroptes spp. 18
Psoroptidae 18
Pulicidae 21

Rhabditida 9
Rhabditidae 9
Rhabditis strongyloides
see *Pelodera strongyloides* 9
Rhabditoidea 9
Rhabditoidea (unidentified) 9
Rhipicephalus sanguineus 19
Rhipicephalus spp. 19

Sarcocystis spp. 2
Sarcodina 3
Sarcomastigophora 3
Sarcoptes scabiei 18
Sarcoptidae 18
Secernentea 8
Setaria equina 10
Setaria labiatopapillosa 10
Setaria spp. 10
Siphonaptera 21
Siphunculata 22
Skrjabinema spp. 9
Solenopotes capillatus 22
Spirocerca spp. 11
Spirocercidae 11
Spirurida 10
Spiruroidea 11
Sporozoea 1
Stephanofilaria stilesi 10
Stephanurus dentatus 15
Strongylida 11
Strongylidae 13
Strongylidae (unidentified) 15

Strongyloidea 12
Strongyloides papillosus 9
Strongyloides stercoralis 9
Strongyloides spp. 9
Strongyloididae 9
Strongylus edentatus 14
Strongylus equinus 14
Strongylus vulgaris 14
Strongylus spp. 14
Syngamidae 15

Taenia crassiceps 6
Taenia elliptica 6
Taenia hydatigena 6
Taenia pisiformis 6
Taenia serialis 6
Taenia taeniaeformis 6
Taenia spp. 6
Taeniidae 6
Tamiophila grandis 21
Telodorsagia davtiani 17
Thelazia gulosa 11
Thelazia lacrymalis 11
Thelazia spp. 11
Thelaziidae 11
Thelazioidea 11
Thysanosoma actinioides 5
Thysanosoma spp. 5
Toxascaris leonina 8
Toxascaris limbata
see *Toxascaris leonina* 8
Toxascaris spp. 8
Toxocara canis 9
Toxocara cati 9
Toxocara mystax
see *Toxocara cati* 9
Toxocara spp. 9
Toxoplasma gondii 2
Toxoplasma spp. 2
Trematoda 4
Trichinella spiralis 7
Trichinellidae 7
Trichinelloidea 7
Trichodectes canis 21
Trichodectes equi 21
Trichodectes spp. 21
Trichomonadida 3

Trichomonas spp. 3
Trichonema catinatum
see *Cyathostomum catinatum* 13
Trichostomatida 2
Trichostrongylidae 16
Trichostrongyloidea 15
Trichostrongyloidea (unidentified egg) 17
Trichostrongylus axei 17
Trichostrongylus colubriformis 17
Trichostrongylus extenuatus
see *Trichostrongylus axei* 17
Trichostrongylus vitrinus 17
Trichostrongylus spp. 17
Trichuridae 7
Trichuridae (unidentified) 8
Trichuris ovis 7
Trichuris suis 8
Trichuris vulpis 8
Trichuris spp. 8
Triodontophorus brevicauda 14
Triodontophorus intermedius
see *Triodontophorus serratus* 14
Triodontophorus minor 14
Triodontophorus serratus 14
Triodontophorus tenuicollis 14
Triodontophorus spp. 15
Troglotrematidae 5
Trombiculidae 18
Trombiculidae (unidentified) 18
Trypanosoma equiperdum 3
Trypanosoma rutherfordi 3
Trypanosoma theileri 3
Trypanosoma uniforme 3
Trypanosoma spp. 3

Uncinaria stenocephala 11
Uncinaria spp. 11
Uniramia 20

Warrenius bifurcatus
see *Citellinema bifurcatum* 15
Wohlfahrtia opaca 20
Wohlfahrtia vigil 20

Zoomastigophorea 3